

# Data Center Solutions for System Integrators and VARs



**PANDUIT®**

building a smarter,  
unified business foundation

Connect. Manage. Automate.

## Optimize the Physical Infrastructure

As a result of the constantly changing, complex IT landscape, the data center will continue to face unique demands on its physical infrastructure. The physical infrastructure can have a significant impact on the performance, efficiency and reliability of the data center. Panduit provides reliable and scalable infrastructure solutions that can be deployed across multiple technology platforms.

This quick reference catalog will help you easily identify supporting infrastructure solutions to consider as part of the overall data center design and deployment.

Just follow these quick and easy steps:

**Step 1:** Using the interactive contents page, identify the solution area; e.g. Connectivity, Cabling

**Step 2:** Identify the sub category

**Step 3:** Choose from the list of available products

For further product information please refer to [www.panduit.com](http://www.panduit.com).

**Quick Tip:** At [panduit.com](http://panduit.com) place the "Catalog SKU" in the search box to receive more detailed product information.

## Why Panduit?

Partners have the opportunity to increase sales, improve profitability and differentiate themselves from competition with Panduit's pre-configured and intelligent data center solutions. Together, we can provide end-to-end solutions which bridge the gap between the logical architecture and physical infrastructure. Panduit is committed to establishing relationships with strategic Systems Integrators and VARs to ensure success in fulfilling our customers' needs with value-based, integrated solutions.

Panduit Partners can leverage our:

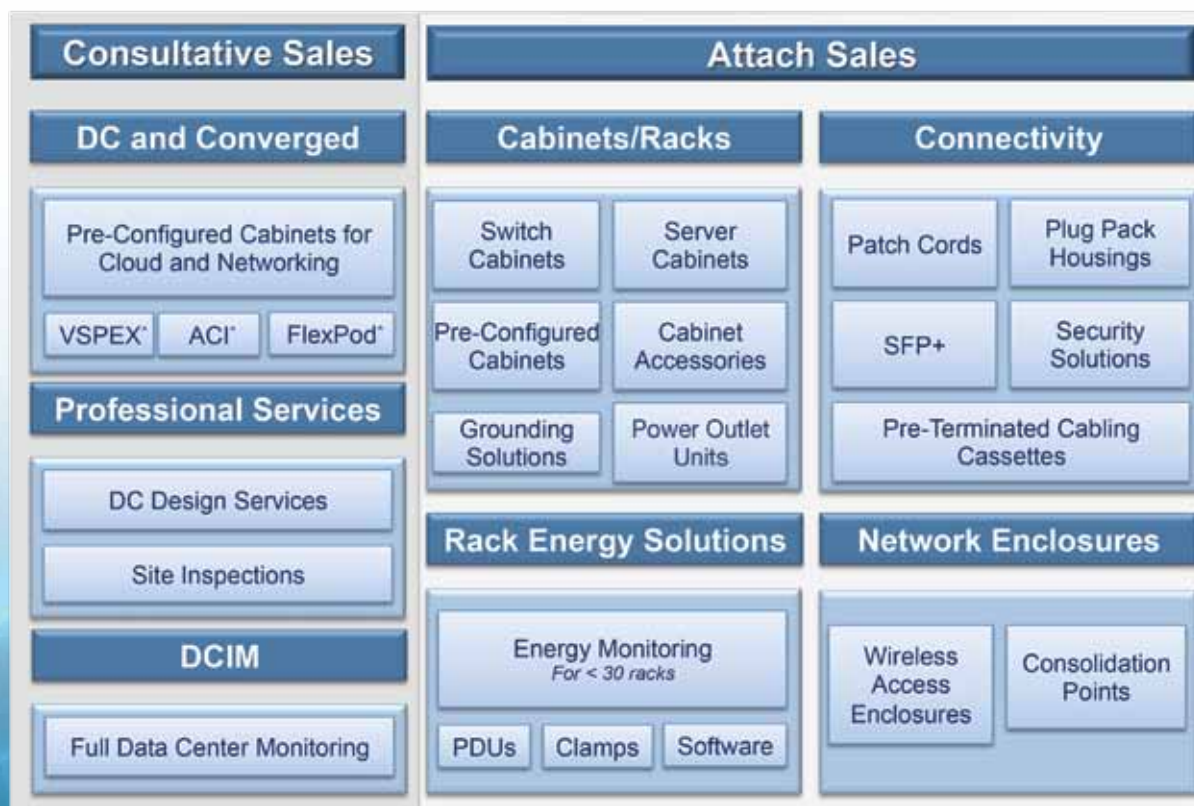
- Expertise in world-class data center and enterprise solutions
- Reference designs based on industry best practices that enable physical to logical architecture integration
- Unified Physical Infrastructures which are robust and scalable

Our solutions help partners:

- Facilitate faster implementation and simplify specification
- Streamline the process (design, specify, install, and manage)
- Optimize the increasingly complex physical infrastructure

Panduit also offers a wide range of assessment, design, and implementation services that Partners can leverage to design and deploy solutions that take a 360-degree look at the physical layer of the data center to ensure that the foundation – the physical infrastructure – is reliable, flexible, and able to deliver maximum performance. For more information, please visit [www.panduit.com/services](http://www.panduit.com/services).

## Panduit Baseline Solutions – Portfolio for Data Centers



<sup>^</sup>Cisco ACI is a trademark of Cisco Systems, Inc. and/or its affiliates in the United States and certain other countries.

VSPEX is a registered trademark of EMC Corporation.

FlexPod is a registered trademark of NetApp, Inc.

## Table of Contents

<b>Pre-Configured Solutions</b>	<b>4 – 6</b>	<b>High Speed Data Transport Connectivity</b>	<b>20 – 25</b>
Pre-Configured Cabinet for Cisco Unified Computing System <sup>^</sup> (UCS <sup>^</sup> )		QuickNet <sup>™</sup> QSFP Harness Cable Assemblies	
Pre-Configured Cabinet for Cisco Nexus <sup>^</sup> 7009 Switch		PanMPO <sup>™</sup> Interconnect Cable Assemblies	
Pre-Configured Cabinet for Cisco Nexus <sup>^</sup> 7010 Switch		PanMPO <sup>™</sup> Harness Cable Assemblies	
Cabinet for the Cisco <sup>^</sup> Catalyst <sup>™</sup> 6509 Switch		PanMPO <sup>™</sup> Harness Trunk Assemblies	
Pre-Configured Cabinet for FlexPod <sup>^</sup>		QuickNet <sup>™</sup> Harness and Staggered Harness Cable Assemblies	
Pre-Configured Cabinet for VSPEX <sup>^</sup>		SFP+ 10Gig Direct Attach Passive Copper Cable Assembly	
Pre-Configured Cable Kit		SFP+ 10Gig Direct Attach Active Copper Cable Assembly	
<b>Cabinets and Racks</b>	<b>7 – 9</b>	<b>Copper Connectivity</b>	<b>26 – 30</b>
Net-Access <sup>™</sup> Switch and Server Standard Cabinets		QuickNet <sup>™</sup> Patch Panels	
Enterprise Cabinets		QuickNet <sup>™</sup> Cable Assemblies	
Open Racks		Unshielded, Category 6, Small Diameter	
<b>Net-Contain<sup>™</sup> Universal Aisle Containment System</b>	<b>10 – 11</b>	Unshielded, Category 6	
<b>Net-Contain<sup>™</sup> Passive Cold Aisle Containment</b>		Unshielded, Category 6A, Small Diameter	
Net-Contain <sup>™</sup> Aisle Containment Sliding Doors		Unshielded, Category 6A	
Net-Contain <sup>™</sup> Integral Low Profile Ceiling Structure for Net-Access <sup>™</sup>		Unshielded, Category 5e, Small Diameter	
N-Type and S-Type Cabinets		Modular Patch Panels	
Net-Contain <sup>™</sup> Integral Roof Wall Panels		<b>Fiber Connectivity</b>	<b>31 – 35</b>
Net-Contain <sup>™</sup> Row Base Cooling Blanking Panels		Fiber Adapter Panels	
<b>Net-Contain<sup>™</sup> Passive Hot Aisle Containment</b>		Blank Adapter Panels	
Net-Contain <sup>™</sup> Aisle Containment Sliding Doors		Fiber Trays	
Net-Contain <sup>™</sup> Sliding Door Frame Adapter for 4' (1200mm)		Patch Cords – LC Duplex to LC Duplex	
Aisle Containment Sliding Doors		Patch Cords – LC Push-Pull to LC Push-Pull	
Net-Contain <sup>™</sup> Adjustable Vertical Wall for Net-Access <sup>™</sup> N-Type and S-Type Cabinets		Patch Cords – SC Duplex to SC Duplex	
Net-Contain <sup>™</sup> Adjustable EOR Vertical Wall		Patch Cords – SC Duplex to LC Duplex	
<b>In-Cabinet Ducting</b>	<b>12</b>	QuickNet <sup>™</sup> Cassettes	
Net-Direct <sup>™</sup> In-Cabinet Ducting		QuickNet <sup>™</sup> Trunk Cable Assemblies	
<b>Cabinet and Rack Accessories</b>	<b>13 – 17</b>	<b>Grounding Solutions</b>	<b>36</b>
Accessories (N-Type Network Cabinet)		StructuredGround <sup>™</sup> Grounding Kits for Net-Access <sup>™</sup> Cabinets and 4 Post Racks	
Accessories (S-Type Server Cabinet)		Cabinet Cage Nut	
4-Post Rack Thermal Ducts		<b>Security Solutions</b>	<b>37 – 38</b>
NetRunner <sup>™</sup> Vertical Cable Managers		RJ45 Jack Blockout Devices	
PatchLink <sup>™</sup> Horizontal Cable Managers		LC Duplex Adapter Blockout Devices	
NetManager <sup>™</sup> High Capacity Horizontal Cable Managers		SC Adapter Blockout Device	
NetManager <sup>™</sup> Horizontal Cable Managers		USB Blockout Devices	
Open-Access <sup>™</sup> Horizontal Cable Managers		Flush Mount RJ45 Plug Lock-In Devices	
Blanking Shades		RJ45 Plug Lock-In Devices	
CoolBoot <sup>™</sup> Raised Floor Air Sealing Grommet		<b>Power Outlet Units</b>	<b>39 – 42</b>
CoolBoot <sup>™</sup> Cabinet Top Air Sealing Fitting		Vertical Power Outlet Units	
Cabinet Top Cover and Cable Protection Bezel		Vertical Power Outlet Units – Basic	
<b>Zone Cabling</b>	<b>18 – 19</b>	Horizontal Power Outlet Units	
PanZone <sup>™</sup> Wireless Access Point Enclosures		SmartZone <sup>™</sup> Network Enabled Rack PDUs	
PanZone <sup>™</sup> Wireless Access Point Enclosures Accessories		SmartZone <sup>™</sup> Rack Energy Kits	
Consolidation Point Boxes		SmartZone <sup>™</sup> Rack -Mounted Rack Energy Kits	
PanZone <sup>™</sup> Overhead Distribution Racks		<b>Overhead Routing</b>	<b>43</b>
		Wyr-Grid <sup>®</sup> Overhead Cable Tray Routing System	
		FiberRunner <sup>®</sup> Overhead Cable Routing System	

<sup>^</sup>Cisco, Catalyst, Cisco Nexus and Cisco UCS are registered trademarks and Cisco Unified Computing System is a trademark of Cisco Systems, Inc. and/or its affiliates in the United States and certain other countries.

FlexPod is a registered trademark of NetApp, Inc.

VSPEX is a registered trademark of EMC Corporation.

## Pre-Configured Solutions

As a leading physical infrastructure partner for Cisco<sup>^</sup>, Panduit works with Cisco<sup>^</sup> engineering and product teams to develop optimal physical layer solutions for their networking products. As such, these Panduit pre-configured physical infrastructures were designed specifically for the Cisco UCS<sup>^</sup>, Nexus<sup>^</sup>, and Catalyst<sup>^</sup> platforms to balance scalability, power, and thermal characteristics. This approach ensures that the physical infrastructure deployments are optimized for power, cooling, and performance, lowering infrastructure risks and costs while increasing agility and sustainability.

### Pre-Configured Cabinet for Cisco Unified Computing System<sup>^</sup> (UCS<sup>^</sup>)



Part Number	Description	Std. Pkg. Qty.
<b>CQ5108S6B</b>	Pre-Configured Physical Infrastructure for Cisco UCS <sup>^</sup> Base with 24" wide Net-Access™ S-Type Cabinet and all necessary cable management grounding jumpers and patch panels pre-assembled together.	1
<b>CQ5108S7B</b>	Pre-Configured Physical Infrastructure for Cisco UCS <sup>^</sup> Base with 28" wide Net-Access™ S-Type Cabinet and all necessary cable management grounding jumpers and patch panels pre-assembled together.	1

### Pre-Configured Cabinet for Cisco Nexus<sup>^</sup> 7009 Switch



Part Number	Description	Std. Pkg. Qty.
<b>CQ7009B</b>	"Base" Pre-Configured Physical Infrastructure for Cisco Nexus <sup>^</sup> 7009 with Net-Access™ N-Type Cabinet and intake ducting, and all necessary cable management, grounding jumpers and patch panels.	1
<b>CQ7009F4</b>	"Medium Fiber" Pre-Configured Physical Infrastructure for Cisco Nexus <sup>^</sup> 7009 with Net-Access™ N-Type Cabinet and intake ducting, all necessary cable management, grounding jumpers, patch panels, and MTP-LC Hydra cable assemblies (bulk packaged to accommodate four fiber I/O Modules).	1
<b>CQ7009C4</b>	"Medium Copper" Pre-Configured Physical Infrastructure for Cisco Nexus <sup>^</sup> 7009 with Net-Access™ N-Type Cabinet and intake ducting, all necessary cable management, grounding jumpers, patch panels, and copper Category 6A patch cords (bulk packaged to accommodate four copper I/O Modules).	1
<b>CQ7009C6</b>	"Heavy Copper" Pre-Configured Physical Infrastructure for Cisco Nexus <sup>^</sup> 7009 with Net-Access™ N-Type Cabinet and intake ducting, all necessary cable management, grounding jumpers, patch panels, and copper Category 6A patch cords (bulk packaged to accommodate four copper I/O Modules).	1

<sup>^</sup>Cisco, Catalyst, Cisco Nexus and Cisco UCS are registered trademarks and Cisco Unified Computing System is a trademark of Cisco Systems, Inc. and/or its affiliates in the United States and certain other countries.



## Panduit Pre-Configured Cabinet for the Cisco Nexus^ 7010 Switch



Part Number	Description	Std. Pkg. Qty.
<b>CQ7010B</b>	"Base" Pre-Configured Physical Infrastructure for Cisco Nexus^ 7010 with Net-Access™ N-Type Cabinet, and all necessary cable management, grounding jumpers, and patch panels pre-assembled together.	1
<b>CQ7010F4</b>	"Medium Fiber" Pre-Configured Physical Infrastructure for Cisco Nexus^ 7010 with Net-Access™ N-Type Cabinet, and all necessary cable management, grounding jumpers, patch panels, and LC-LC patch cords (bulk packaged to accommodate 4 additional fiber line cards) preassembled together.	1
<b>CQ7010C4</b>	"Medium Copper" Pre-Configured Physical Infrastructure for Cisco Nexus^ 7010 with Net-Access™ N-Type Cabinet, and all necessary cable management, grounding jumpers, patch panels, and copper Category 6 patch cords (bulk packaged to accommodate 4 additional copper line cards) pre-assembled together.	1
<b>CQ7010C6</b>	"Heavy Copper" Pre-Configured Physical Infrastructure for Cisco Nexus^ 7010 with Net-Access™ N-Type Cabinet, and all necessary cable management, grounding jumpers, patch panels, and Category 6 patch cords (bulk packaged to accommodate 6 additional copper line cards) preassembled together.	1

## Cabinet for the Cisco^ Catalyst^ 6509 Switch



**CQ6509B**

Part Number	Description	Std. Pkg. Qty.
<b>CQ6509B</b>	"Base" Pre-Configured Physical Infrastructure for Cisco^ Catalyst^ 6509 with Net-Access™ N-Type Cabinet, and all necessary cable management, grounding jumpers, and patch panels pre-assembled together.	1
<b>CQ6509F4</b>	"Medium Fiber" Pre-Configured Physical Infrastructure for Cisco^ Catalyst^ 6509 with Net-Access™ N-Type Cabinet, side panels, POU brackets, and all necessary cable management, grounding jumpers, patch panels, and LC-LC patch cords (bulk packaged to accommodate 4 additional fiber line cards) pre-assembled together.	1
<b>CQ6509C4</b>	"Medium Copper" Pre-Configured Physical Infrastructure for Cisco^ Catalyst^ 6509 with Net-Access™ N-Type Cabinet, side panels, POU brackets, and all necessary cable management, grounding jumpers, patch panels, and copper Catategory 6 white patch cords (bulk packaged to accommodate 4 additional copper line cards) pre-assembled together.	1
<b>CQ6509C6</b>	"Heavy Copper" Pre-Configured Physical Infrastructure for Cisco^ Catalyst^ 6509 with Net-Access™ N-Type Cabinet, side panels, POU brackets, and all necessary cable management, grounding jumpers, patch panels, and copper Catategory 6 white patch cords (bulk packaged to accommodate 6 additional copper line cards) pre-assembled together.	1

^Cisco, Catalyst, and Cisco Nexus are registered trademarks of Cisco Systems, Inc. and/or its affiliates in the United States and certain other countries.

### Pre-Configured Cabinets for NetApp^ FlexPod^ Storage Reference Architecture

Part Number	Description	Std. Pkg. Qty.
<b>CQFEK679</b>	FlexPod^ Express Bundle, non-dynamic version, 600 x 1200 x 42 RU.	1
<b>CQSFEK679</b>	FlexPod^ Express Bundle, dynamic version, 600 x 1200 x 42 RU.	1
<b>CQFPK679</b>	FlexPod^ Single Cisco UCS^ Chassis Bundle, non-dynamic version, 600 x 1200 x 42 RU.	1
<b>CQSFPK679</b>	FlexPod^ Single Cisco UCS^ Chassis Bundle, dynamic version, 600 x 1200 x 42 RU.	1

### Pre-Configured Cabinets for EMC^ VSPEX^ Proven Infrastructure



Part Number	Description	Std. Pkg. Qty.
<b>CQEMCS6079</b>	50 VM Pre-Configured, 600 x 1070, 42 RU standard cabinet.	1
<b>CQEMCM679</b>	100 VM Pre-Configured, 600 x 1200, 42 RU standard cabinet.	1
<b>CQEMCMP679</b>	125 VM Pre-Configured, 600 x 1200, 42 RU standard cabinet.	1
<b>CQSEMCS6079</b>	50 VM Pre-Configured, 600 x 1070, 42 RU dynamic cabinet.	1
<b>CQSEMCM679</b>	100 VM Pre-Configured, 600 x 1200, 42 RU dynamic cabinet.	1
<b>CQSEMCMP679</b>	125 VM Pre-Configured, 600 x 1200, 42 RU dynamic cabinet.	1
<b>CQSE1679</b>	300 VM Pre-Configured, 600 x 1200, 42 RU dynamic cabinet, 1 cabinet, 1 chassis solution.	1
<b>CQSE1G679</b>	300 VM Pre-Configured, 600 x 1200, 42 RU dynamic cabinet, 1 cabinet, 1 chassis growth solution.	1
<b>CQSE2679</b>	300 VM Pre-Configured, 600 x 1200, 42 RU dynamic cabinet, 1 cabinet, 2 chassis solution.	1

### Pre-Configured Cable Kit

Part Number	Description	Std. Pkg. Qty.
<b>CQFECK</b>	Pre-Configured cable kit for small cloud architecture (two server FlexPod^ Express).	1
<b>CQFEMCK</b>	Pre-Configured cable kit for medium cloud architecture (four server FlexPod^ Express).	1

^FlexPod is a registered trademark of NetApp, Inc.

Cisco UCS is a registered trademark of Cisco Systems, Inc. and/or its affiliates in the United States and certain other countries.

VSPEX is a registered trademark of EMC Corporation.

## Cabinets and Racks

Panduit cabinets and 4 post racks are designed to be an effective solution for the telecommunications room or network row.

- Allow maximum equipment utilization for areas with either low or high ceilings.
- Can be used to manage high performance copper and fiber patch cables.
- Compatible with Panduit horizontal and vertical cable managers.
- Open design allows for maximum airflow in and around the rack.

**Net-Access™ Switch Cabinets** deploy inset frames which allows for high cable volumes to be deployed without hindering air flow or crossing service points.

- Ducting kits are available for most Cisco^ switches to enable front to back air flow.
- Cabinets can be ganged together to give easy cross connect patching without breaking the front to back air seal for thermal efficiency.

**Net-Access™ Server Cabinets** are designed for passing cables down the sides with easy access cable cut throughs in the roof.

- Pre-terminated cassettes can be used with a vertical patching strip to free up RU space for IT equipment using vertical patch panels.

### Net-Access™ Switch and Server Standard Cabinets



N8512B



S6212B

Part Number	Description	Std. Pkg. Qty.
N8512B	Net-Access™ N-Type Network Cabinet frame with top panel. Tapped equipment rails (12-24). Dual hinge perforated front door opens to the left or right. Split perforated rear doors open in the middle to minimize door swing footprint. Solid side panels (2). Two sets of #12-24 threaded equipment mounting rails. 45 RU cable management on front and rear of front posts. Dimensions: 84.0"H x 31.5"W x 42.0"D (2134mm x 800mm x 1067mm).	1
N8512BC	Net-Access™ N-Type Network Cabinet frame with top panel. Cage nut rails. Dual hinge perforated front door opens to the left or right. Split perforated rear doors open in the middle to minimize door swing footprint. Solid side panels (2). Two sets of cage nut equipment mounting rails. 45 RU cable management on front and rear of front posts. Dimensions: 84.0"H x 31.5"W x 42.0"D (2134mm x 800mm x 1067mm).	1
N8522BC	Net-Access™ N-Type Network Cabinet frame with top panel. Cage nut rails. Dual hinge perforated front door opens to the left or right. Split perforated rear doors open in the middle to minimize door swing footprint. Solid side panels (2). Two sets of cage nut equipment mounting rails. 45 RU cable management on front and rear of front posts. Dimensions: 84.0"H x 31.5"W x 48.0"D (2134mm x 800mm x 1219mm).	1
S6212B	Net-Access™ S-Type Server Cabinet frame with top panel. Single hinge perforated front door. Split perforated rear doors open in the middle to minimize door swing footprint. Solid side panels (2), casters, POU brackets (1 set), cage nut rails (2 sets). Dimensions: 79.8"H x 23.6"W x 48.0"D (2026mm x 600mm x 1219mm).	1
S6222B	Net-Access™ S-Type Server Cabinet frame with top panel. Single hinge perforated front door. Split perforated rear doors open in the middle to minimize door swing footprint. Solid side panels (2), casters, POU brackets (1 set), cage nut rails (2 sets). Dimensions: 79.8"H x 23.6"W x 48.0"D (2026mm x 600mm x 1219mm).	1

^Cisco is a registered trademark of Cisco Systems, Inc. and/or its affiliates in the United States and certain other countries.

### Net-Access™ Switch and Server Standard Cabinets



**S7222B**

Part Number	Description	Std. Pkg. Qty.
<b>S6522B</b>	Net-Access™ S-Type Server Cabinet frame with top panel. Single hinge perforated front door. Split perforated rear doors open in the middle to minimize door swing footprint. Solid side panels (2), casters, POU brackets (1 set), cage nut rails (2 sets). Dimensions: 85.0"H x 23.6"W x 48.0"D (2160mm x 600mm x 1219mm).	1
<b>S7222B</b>	Net-Access™ S-Type Server Cabinet frame with top panel. Single hinge perforated front door. Split perforated rear doors open in the middle to minimize door swing footprint. Solid side panels (2), casters, POU brackets (1 set), cage nut rails (2 sets). Dimensions: 79.8"H x 27.6"W x 48.0"D (2026mm x 700mm x 1219mm).	1
<b>S7512B</b>	Net-Access™ S-Type Server Cabinet frame with top panel. Single hinge perforated front door. Split perforated rear doors open in the middle to minimize door swing footprint. Solid side panels (2), casters, POU brackets (1 set), cage nut rails (2 sets). Dimensions: 85.0"H x 27.6"W x 42.0"D (2160mm x 700mm x 1067mm).	1
<b>S7522B</b>	Net-Access™ S-Type Server Cabinet frame with top panel. Single hinge perforated front door. Split perforated rear doors open in the middle to minimize door swing footprint. Solid side panels (2), casters, POU brackets (1 set), cage nut rails (2 sets). Dimensions: 85.0"H x 27.6"W x 48.0"D (2160mm x 700mm x 1219mm).	1
<b>S8512BA</b>	Net-Access™ S-Type Server Cabinet frame with top panel. Single hinge perforated front door. Split perforated rear doors open in the middle to minimize door swing footprint. Solid Side Panels (2), casters, cage nut rails (2 sets) and switch configured with front cable management. Dimensions: 79.8"H x 31.5"W x 48.0"D (2026mm x 800mm x 1219mm).	1



## Enterprise Cabinets



**E6212B1**

The 12 and 2 RU Net-Access™ Enterprise Cabinets store switches, patching, and servers used in office and small business areas. They are easy to roll away under a desk or in a closet. The ability of the cabinet to easily move where needed, enables fast setups and quick changes of network capabilities. Perforated doors encourage air flow to help cool equipment in tight spaces.

Part Number	Description	Std. Pkg. Qty.
<b>E6212B1</b>	Net-Access™ Enterprise Cabinet, 12 RU, single hinge perforated front and rear doors with keyed swing handles, (2) solid single piece side panels with ¼ turn locks, and casters. Fully assembled. Dimensions: 25.7"H x 23.5"W x 42.0"D (654mm x 600mm x 1070mm).	1
<b>E6212B1FP</b>	Net-Access™ Enterprise Cabinet, 12 RU, single hinge perforated front and rear doors with keyed swing handles, (2) solid single piece side panels with ¼ turn locks, and casters. Flat packaged. Dimensions: 25.7"H x 23.5"W x 42.0"D (654mm x 600mm x 1070mm).	1
<b>E6412B2</b>	Net-Access™ Enterprise Cabinet, 24 RU, single hinge perforated front and rear doors with keyed swing handles, (2) solid single piece side panels with ¼ turn locks, and casters. Fully assembled. Dimensions: 46.7"H x 23.5"W x 42.0"D (1187mm x 600mm x 1070mm).	1
<b>E6412B2FP</b>	Net-Access™ Enterprise Cabinet, 24 RU, single hinge perforated front and rear doors with keyed swing handles, (2) solid single piece side panels with ¼ turn locks, and casters. Flat packaged. Dimensions: 46.7"H x 23.5"W x 42.0"D (1187mm x 600mm x 1070mm).	1

## Open Racks



**R2PS**



**R4P**

Panduit 4 post racks are designed to be an effective solution for the telecommunications room or network row. Available in 7 foot or 8 foot tall, these racks allow maximum equipment utilization for areas with either low or high ceilings. The rack can be used to manage high performance copper and fiber patch cables. This modular rack system is compatible with Panduit horizontal and vertical cable managers.

The open design allows for maximum airflow in and around the rack. This system is part of a complete rack and cable management system that manages, protects, and showcases your network investment.

Part Number	Description	Std. Pkg. Qty.
<b>R2PS</b>	19" EIA rack. Dimensions: 84.0"H x 20.3"W x 3.0"D (2134mm x 514mm x 76mm).	1
<b>R4P36</b>	4 post EIA rack with #12-24 threaded rails. Dimensions: 84.0"H x 23.25"W x 36.0"D (2134mm x 591mm x 914mm).	1
<b>R4P</b>	4 post EIA rack with #12-24 threaded rails. Dimensions: 84.0"H x 23.25"W x 30.0"D (2134mm x 591mm x 762mm).	1
<b>R4PCN</b>	4 post EIA rack with cage nut rails. Dimensions: 84.0"H x 23.25"W x 30.0"D (2134mm x 591mm x 762mm).	1

## Net-Contain™ Universal Aisle Containment System

The Universal Containment System allows you to go back and reclaim underutilized cooling capacity, reduce energy expense and reduce OpEx by retrofitting your existing data center with an innovative containment system. The system includes independent support structure, sliding doors, vertical blanking panels, and roof structure.

This offering can be configured in Vertical Wall (Hot Aisle Containment) and Roof Containment (Cold Aisle containment) which allows additional cabinets (Panduit or non-Panduit) of varying sizes and design as your needs dictate, reducing deployment time and capital investment.

Contact Panduit for more information or visit:  
[www.panduit.com/universalaislecontainment](http://www.panduit.com/universalaislecontainment).



## Net-Contain™ Aisle Containment Systems

Panduit's Passive Cold Aisle Containment (CAC) and Hot Aisle Containment (HAC) Systems provide a physical separation between the cold air and the hot exhaust air.

## Net-Contain™ Passive Cold Aisle Containment

### Net-Contain™ Aisle Containment Sliding Doors



Part Number	Description	Std. Pkg. Qty.
<b>C2CACT5F**SD^^</b>	Net-Contain™ Sliding Door CAC for either 4 ft .or 6 ft. aisle – capable of 42 up to 45 RU – Black or White available.	1

\*\* = 04 = 4ft (1200mm), 06 = 6ft (1800mm)  
 ^^ = B1 = Black, W1 = White.

## Net-Contain™ Integral Low Profile Ceiling Structure for Net-Access™ N-Type and S-Type Cabinets

Part Number	Description	Std. Pkg. Qty.
<b>C2CAC08F**IR^^</b>	Net-Contain™ (CAC) Integral Roof for 800mm width cabinet with 4 ft .or 6 ft. aisle width – Black or White available.	1
<b>C2CAC07F**IR^^</b>	Net-Contain™ (CAC) Integral Roof for 700mm width cabinet with 4 ft .or 6 ft. aisle width – Black or White available.	1
<b>C2CAC06F**IR^^</b>	Net-Contain™ (CAC) Integral Roof for 600mm width cabinet with 4 ft .or 6 ft. aisle width – Black or White available.	1

\*\* = 04 = 4ft (1200mm), 06 = 6ft (1800mm)  
 ^^ = B1 = Black, W1 = White.

## Net-Contain™ Integral Roof Wall Panels

Part Number	Description	Std. Pkg. Qty.
<b>C2CAC**F08WP^^</b>	Net-Contain™ Integral Roof Wall Panel for 600, 700 or 800mm width cabinet – Black or White available..	1

\*\* = 06 = 600mm, 07 = 700mm, 08 = 800mm  
 ^^ = B1 = Black, W1 = White.

## Net-Contain™ Row Base Cooling Blanking Panels

Part Number	Description	Std. Pkg. Qty.
C2CAC**ABWPA^^	For cold aisle containment systems using row base cooling equipment.	1

\*\* = 06 = 600mm, 04 = 400mm, 03 = 300mm

^^ = B1 = Black, W1 = White.

## Net-Contain™ Passive Hot Aisle Containment

### Net-Contain™ Aisle Containment Sliding Doors



Part Number	Description	Std. Pkg. Qty.
C2CACT5F04SD^^	Net-Contain™ Sliding Door CAC for 4 ft. (1200mm) aisle – capable of 42 up to 45 RU – Black or White available.	1

^^ = B1 = Black, W1 = White.

### Net-Contain™ Sliding Door Frame Adapter for 4' (1200mm) Aisle Containment Sliding Doors

Part Number	Description	Std. Pkg. Qty.
C2HACT8F04DFB1^^	Net-Contain™ Hot Aisle Containment Sliding Door Frame Adapter for 4 ft. (1200mm) aisle, capable of 42 RU up to 48 RU – Black or White available.	1

^^ = B1 = Black, W1 = White.

### Net-Contain™ Adjustable Vertical Wall for Net-Access™ N-Type and S-Type Cabinets

Part Number	Description	Std. Pkg. Qty.
C2HAC**I1626^^	Net-Contain™ Hot Aisle Containment Adjustable Vertical Wall (16" – 26") for 300, 400 or 600mm width cabinets – Black or White available.	1
C2HAC**I2638^^	Net-Contain™ Hot Aisle Containment Adjustable Vertical Wall (26" – 38") for 300, 400 or 600mm width cabinets – Black or White available.	1
C2HAC**I3866^^	Net-Contain™ Hot Aisle Containment Adjustable Vertical Wall (38" – 66") for 300, 400 or 600mm width cabinets – Black or White available.	1

\*\* = 03 = 300mm, 04 = 400mm, 06 = 600mm

^^ = B1 = Black, W1 = White.

### Net-Contain™ Adjustable EOR Vertical Wall

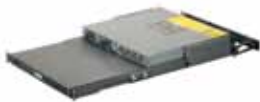
Part Number	Description	Std. Pkg. Qty.
C2HACERI1626^^	Net-Contain™ Adjustable End of Row Vertical Wall (16" – 26") for 900mm/1000mm/1200mm aisle widths – Black or White available.	1
C2HACERI2638^^	Net-Contain™ Adjustable End of Row Vertical Wall (26" – 38") for 900mm/1000mm/1200mm aisle widths – Black or White available.	1
C2HACERI3866^^	Net-Contain™ Adjustable End of Row Vertical Wall (38" – 66") for 900mm/1000mm/1200mm aisle widths – Black or White available.	1

^^ = B1 = Black, W1 = White.

## In-Cabinet Ducting

### Net-Direct™ In-Cabinet Ducting

Net-Direct™ Passive Cabinet Inlet Ducting directs cooling air from the cold aisle into the intake fans of switches. Net-Direct™ Passive Cabinet Exhaust Ducting directs exhaust air from the side exhaust of the switch into the hot aisle. Net-Direct™ Passive Cabinet Inlet and Exhaust Ducting are Cisco® certified.



CDE1



CDE2



CNLTD142A3



DERLCC7009A

Part Number	Description	Std. Pkg. Qty.
<b>Inlet Ducting</b>		
CDE1	Net-Direct™ Air Inlet Duct, 1 RU that resides below the switch provides cold aisle airflow to Cisco® Catalyst® 4948, 4928, and 4924. Optimized for use in server cabinet applications.	1
CDE2	Net-Direct™ Air Inlet Duct, 1 RU that resides in-line and below switch provides cold aisle airflow to Cisco Nexus® N2K-C2148T-1GE, N2K-C2248TP-1GE, and N2K-C2232PP-10GE fabric extenders and Cisco® WS-C4948E-F, WS-C4948E-F-S, and WS-C4948E-F-E. Optimized for use in server cabinet applications.	1
CNLTD21B2	Net-Direct™ Air Inlet Duct designed for Cisco® Catalyst® 4900M switch. Consists of one 2 RU inlet duct and a side duct. Compatible with Net-Access™ N-Type Network Cabinets.	1
CNLTD52A2	Net-Direct™ Air Inlet Duct designed for Cisco® Catalyst® 6504-E switch. Consists of 2 RU top and 2 RU bottom inlet ducts and a side duct. Compatible with Net-Access™ N-Type Network Cabinets.	1
CNLTD142A3	Net-Direct™ Air Inlet Duct designed for Cisco Nexus® 7009 switch. Consists of 3 RU top and 3 RU bottom inlet ducts and a side duct. Compatible with Net-Access™ N-Type Network Cabinets.	1
CNLTD72A3	Net-Direct™ Air Inlet Duct designed for Cisco® MDS 9506 switch. Consists of 3 RU top and 3 RU bottom inlet ducts and a side duct. Compatible with Net-Access™ N-Type Network Cabinets.	1
DIBBC2314S21W	Net-Direct™ Air Inlet Duct designed for Cisco® MDS 9513 switch. Consists of 2 RU top and 3 RU bottom inlet ducts and a side duct. Compatible with Net-Access™ N-Type Network Cabinets.	1
DIRLC2214M21W	Net-Direct™ Air Inlet Duct designed for Cisco® Catalyst® 6509-E switch. Consists of 2 RU top and 2 RU bottom inlet ducts and a side duct. Compatible with Net-Access™ N-Type Network Cabinets.	1
DIRBB2007S21W	Net-Direct™ Air Inlet Duct designed for Cisco Nexus® 7004 switch. Consists of one 2 RU inlet duct and a side duct. Compatible with Net-Access™ N-Type Network Cabinets.	1
<b>Exhaust Ducting</b>		
DERLCC6509A	Net-Direct™ Air Exhaust Duct for Net-Access™ N-Type 1070mm Depth Cabinets. Designed for Cisco® Catalyst® 6509 switch.	1
DERLCC9513A	Net-Direct™ Air Exhaust Duct for Net-Access™ N-Type 1070mm Depth Cabinets. Designed for Cisco® MDS 9513 switch.	1
DERLCC7009A	Net-Direct™ Air Exhaust Duct for Net-Access™ N-Type 1070mm Depth Cabinets. Designed for Cisco Nexus® 7009 switch.	1
DERLCC6513A	Net-Direct™ Air Exhaust Duct for Net-Access™ N-Type 1070mm Depth Cabinets. Designed for Cisco® Catalyst® 6513 switch.	1

^Cisco, Catalyst, and Cisco Nexus are registered trademarks of Cisco Systems, Inc. and/or its affiliates in the United States and certain other countries.



## Cabinet Accessories

As the demand for system performance increases, it becomes essential to protect and manage cables.

- Innovative designs offer unobstructed access to network cabling for easier moves, adds and changes
- Curved surfaces maintain cable bend radius
- Lightweight plastic construction provides durability and easy installation

### Accessories (N-Type Network Cabinet)



SN15F



NVPDUB

Part Number	Description	Std. Pkg. Qty.
SN15F	Net-Access™ S and N-Type Cabinet 100mm depth finger kit for 42 RU and 45 RU cabinets.	1
NCSTR4	Net-Access™ N-Type Casters for switch cabinets (package of 4 pcs.)	1
NVPDUB	Net-Access™ N-Type POU Brackets for switch cabinets.	1

### Accessories (S-Type Server Cabinet)



S7VPPB



SN8VPPB



SPDUBRK



SSCSTR4

Part Number	Description	Std. Pkg. Qty.
S7VPPB	Zero RU vertical patch bracket for Net-Access™ S-Type 700mm wide cabinet. Vertical patching bracket for S-Type 700mm wide cabinets.	1
SN8VPPB	Zero RU vertical patch bracket for Net-Access™ S-Type and N-Type 800mm wide cabinet. Vertical patching bracket for 800mm wide S-Type and N-Type Cabinets.	1
SPDUBRK	Net-Access™ S-Type POU Brackets for server cabinets, sold in pairs.	1
SCSTR4	Net-Access™ S-Type Casters for server cabinets (package of 4 pcs.)	1
SN15F	Net-Access™ S and N-Type Cabinet 100mm depth finger kit for 42 RU and 45 RU cabinets.	1

### 4 Post Rack Thermal Ducts



R4PAE1



R4PAE3

Part Number	Description	Std. Pkg. Qty.
R4PAE1	Thermal duct for Cisco Catalyst® 6509E, 6513, Cisco MDS 9513 and Juniper 8208 switches.	1
R4PAE2	Thermal duct for Cisco Nexus® 7018 switch.	1
R4PAE3	Thermal duct for Cisco Nexus® 7009 switch.	1
R4PAE4	Thermal duct for Cisco Catalyst® 6807-XL switch.	1

^Cisco, Catalyst, and Cisco Nexus are registered trademarks of Cisco Systems, Inc. and/or its affiliates in the United States and certain other countries.

### NetRunner™ Vertical Cable Managers



WMPVF45E

Part Number	Description	Std. Pkg. Qty.
WMPV45E	NetRunner™ Vertical Cable Manager, front and rear, 45 RU. Dimensions: 83.0"H x 4.9"W x 12.0"D (2108mm x 125mm x 306mm)	1
WMPVF45E	NetRunner™ Vertical Cable Manager, front only, 45 RU. Dimensions: 83.0"H x 4.9"W x 6.5"D (2108mm x 125mm x 165mm)	1
WMPVHC45E	NetRunner™ Vertical Cable Manager, front and rear, 45 RU. Dimensions: 83.0"H x 6.7"W x 14.1"D (2108mm x 170mm x 357mm)	1
WMPVHCF45E	NetRunner™ Vertical Cable Manager, front only, 45 RU. Dimensions: 83.0"H x 6.7"W x 7.6"D (2108mm x 170mm x 192mm)	1

### PatchLink™ Horizontal Cable Managers



WMP1E



WMPF1E



WMPFSE



WMPH2E



WMPHF2E



WMPLFSE



WMPLSE



WMPSE

Part Number	Description	Std. Pkg. Qty.
WMP1E	PatchLink™ Horizontal cable manager, front and rear, 2 RU. 3.5"H x 19.0"W x 8.9"D (89mm x 483mm x 226mm).	1
WMPF1E	PatchLink™ Horizontal cable manager, front only, 2 RU. 3.5"H x 19.0"W x 3.7"D (89mm x 483mm x 94mm).	1
WMPFSE	PatchLink™ Horizontal cable manager, front only, 1 RU. 1.7"H x 19.0"W x 3.7"D (44mm x 483mm x 94mm).	1
WMPH2E	PatchLink™ Horizontal cable manager, front and rear, 2 RU. 3.5"H x 20.2"W x 8.9"D (89mm x 513mm x 226mm). Includes extended front covers and two bend radius clips.	1
WMPHF2E	PatchLink™ Horizontal cable manager, front only, 2 RU. 3.5"H x 20.2"W x 3.7"D (89mm x 573mm x 94mm). Includes extended front covers and two bend radius clips.	1
WMPLFSE	PatchLink™ Horizontal cable manager, front only, 1 RU. 1.7"H x 19.0"W x 2.7"D (44mm x 483mm x 69mm).	1
WMPLSE	PatchLink™ Horizontal cable manager, front only, 1 RU. 1.7"H x 19.0"W x 7.9"D (44mm x 483mm x 200mm).	1
WMPSE	PatchLink™ Horizontal cable manager, front and rear, 1 RU. 1.7"H x 19.0"W x 8.9"D (44mm x 483mm x 226mm).	1

## NetManager™ High Capacity Horizontal Cable Managers



NM1



NMF1



NMF2



NMF3

Part Number	Description	Std. Pkg. Qty.
NM1	NetManager™ Horizontal cable manager, high capacity, front and rear 1 rack unit. 1.7"H x 19.0"W x 13.1"D (44mm x 482mm x 332mm).	1
NMF1	NetManager™ Horizontal cable manager, high capacity, front only 1 rack unit. 1.7"H x 19.0"W x 6.2"D (44mm x 482mm x 157mm).	1
NMF2	NetManager™ Horizontal cable manager, high capacity, front only, 2 rack units. 3.5"H x 19.0"W x 6.2"D (88mm x 482mm x 157mm).	1
NMF3	NetManager™ Horizontal cable manager, high capacity, front only 3 rack units. 5.2"H x 19.0"W x 6.2"D (133mm x 482mm x 157mm).	1

## NetManager™ Horizontal Cable Managers



NCMHF1



NCMHF2

Part Number	Description	Std. Pkg. Qty.
NCMHF1	NetManager™ Horizontal cable manager, front only, 1RU. 1.7"H x 19.0"W x 3.7"D (44mm x 483mm x 95mm).	1
NCMHF2	NetManager™ Horizontal cable manager, front only, 2 RU. 3.5"H x 19.0"W x 3.7"D (88mm x 483mm x 95mm).	1

## Open-Access™ Horizontal Cable Managers



CMPHF1



CMPHH2



Part Number	Description	Std. Pkg. Qty.
CMPHF1	Open-Access™ Horizontal panel d-rings, front only, 1 RU. D-rings installed on panel. 1.7"H x 19.0"W x 3.4"D (44mm x 483mm x 87mm).	1
CMPHH2	Open-Access™ Horizontal panel d-rings, front only, 2 RU. D-rings installed on panel. 3.5"H x 19.0"W x 5.7"D (88mm x 483mm x 144mm).	1
CMPHHF1	Open-Access™ Horizontal panel d-rings, front only, 1 RU. D-rings installed on panel. 1.7"H x 19.0"W x 5.7"D (44mm x 483mm x 144mm).	1
MPH1C	Open-Access™ Horizontal panel D-ring replacement cover.	1

### Blanking Shades



FLBSIM-Y



TLBP1S-V



TLBP1R-V

Part Number	Description	Std. Pkg. Qty.
FLBSIM-Y	Full-length blanking shade blanks out 4-45 consecutive rack units on standard 19.00" (482.6mm) wide vertical mounting rails; black.	1
TLBP1S-V	Tool-less blanking panel, 1 rack unit, square hole. 19" (483mm) width for 3/8" cage nut holes (may be used with or without cage nuts installed). 1 RU.	5
TLBP1R-V	Tool-Less Blanking Panel, 1 Rack Unit, round hole 19" (483mm) width for tapped rails.	5

### CoolBoot™ Raised Floor Air Sealing Grommet



CTG3X8



RFG6X8Y

Part Number	Description	Std. Pkg. Qty.
CTG3X8	CoolBoot™ Cabinet Top Air Sealing Fitting. Used to seal off 3" x 8" cabinet top openings when cables are routed through the top of a cabinet. Airtight fabric and Ultra-Cinch™ Tie closes top of fabric, minimizing hot air bypass around cables to improve cooling of network equipment and reduce energy costs. For use with both Net-SERV® and Net-Access™ Cabinets. Requires cabinet top cable protection bezel to be installed.	1
RFG10X8Y	CoolBoot™ Raised Floor Air Sealing Grommet. Overall size of 10" x 8" (254.0mm x 203.2mm) allows for 8.2" x 6.2" (208.3mm x 157.5mm) capacity.	1
RFG6X8Y	CoolBoot™ Raised Floor Air Sealing Grommet. Overall size of 6" x 8" (152.4mm x 203.2mm) allows for 4.2" x 6.2" (106.7mm x 157.5mm) capacity.	1



## CoolBoot™ Cabinet Top Air Sealing Fitting



CTGN1X5

CTGN3X5



CTGN6X6

Part Number	Description	Std. Pkg. Qty.
CTGN1X5	Used to seal off 1" x 5" cabinet top openings when cables are routed through the top of a cabinet. Airtight fabric and Ultra-Cinch™ Tie close top of fabric, minimizing hot air bypass around cables to improve cooling of network equipment and reduce energy costs. For use with 600mm wide Net-Access™ Cabinets.	1
CTGN3X5	Used to seal off 3" x 5" cabinet top openings when cables are routed through the top of a cabinet. Airtight fabric and Ultra-Cinch™ Tie close top of fabric, minimizing hot air bypass around cables to improve cooling of network equipment and reduce energy costs. For use with 700mm, 800mm, and 1000mm wide Net-Access™ Cabinets.	1
CTGN6X6	Used to seal off 6.5" x 6.5" cabinet top openings when cables are routed through the top of a cabinet. Airtight fabric and Ultra-Cinch™ Tie close top of fabric, minimizing hot air bypass around cables to improve cooling of network equipment and reduce energy costs. For use with 600mm, 700mm, 800mm, and 1000mm wide Net-Access™ Cabinets.	1

## Cabinet Top Cover and Cable Protection Bezel



CTCN1X5



CTCN3X5



CTNBZL6X6

Part Number	Description	Std. Pkg. Qty.
CTCN1X5	Used to seal off 1.5" x 5" cabinet top openings. Can also be used to add the CTGN1X5 to openings where the snap-on cover has been removed. For use with Net-Access™ Cabinets.	1
CTCN3X5	Used to seal off 3.5" x 5" cabinet top openings. Can also be used to add the CTGN3X5 to openings where the snap-on cover has been removed. For use with Net-Access™ Cabinets.	1
CTNBZL6X6	Used to provide a protective edge for cables routed through the 6.5" x 6.5" cabinet top openings after knock-outs are removed. Can also be used to add the CTGN6X6 to openings where knock-out has been removed. For use with Net-Access™ Cabinets.	1

## Zone Cabling

PanZone® Wireless Enclosures provide an additional level of security for your wireless LAN by protecting wireless access points from tampering, vandalism, theft and harsh environments. In addition, Panduit's expertise in network infrastructure provides peace of mind that your wireless network will transition seamlessly onto your wired network.

### PanZone® Wireless Access Point Enclosures



**PZWA125**



**PZWA13**



**PZWC35I**



**PZWWB**

Part Number	Description	Std. Pkg. Qty.
<b>PZWA125</b>	PanZone® Wireless Access Point Enclosure; accommodates Aruba Networks^ 92, 93, 104, 105, 124, and 125 series Wireless Access Points. UL 2043 rated.	1
<b>PZWA135</b>	PanZone® Wireless Access Point Enclosure; accommodates Aruba Networks^ 135 series Wireless Access Points. UL 2043 rated.	1
<b>PZWC35</b>	PanZone® Wireless Access Point Enclosure for surface mount or for use in suspended ceilings with optional in-ceiling mounting bracket. Accommodates Cisco Aironet® 1140 and 3500 Series Wireless Access Points. UL 2043 rated.	1
<b>PZWC35I</b>	PanZone® Wireless Access Point Enclosure; accommodates Cisco Aironet® 1140 and 3500 Series Wireless Access Points. UL 2043 rated.	1
<b>PZWWB</b>	PanZone® Wall Mount Bracket for PZWA125 and PZW135 Enclosures.	1

### PanZone® Wireless Access Point Enclosures Accessories



**PZWIFIDCB**

Part Number	Description	Std. Pkg. Qty.
<b>PZWIFIDCB</b>	PanZone® Wireless Enclosure In-Ceiling Mounting Bracket Kit for PZWIFIEN, PZWIFIENA, PZWIFIED, PZWIFIEA and PZWIFIEH.	1

^Cisco is a registered trademark and Cisco Aironet is a trademark of Cisco Systems, Inc. and/or its affiliates in the United States and certain other countries. Aruba Networks is a registered trademark of Aruba Networks, Inc.

## Consolidation Point Boxes

The consolidation point box is designed to work with SMED^ NEXUS^ Under Floor Systems as a consolidation point, although it is also suitable for other under floor systems with a minimum depth of 1.65". The box can also be wall mounted vertically or horizontally as a consolidation point. Consolidation point boxes save time and money by reducing the amount of time required to complete moves, adds and changes.



Part Number	Description	Std. Pkg. Qty.
<b>CUFMB24BL</b>	24-port aluminum underfloor consolidation point box includes pre-printed numbered labels with writable surface on back when pre-numbered labels are not applicable. Dimensions: 1.69"H x 10.85"W x 10.67"L (42.9mm x 275.6mm x 271.0mm).	1

## PanZone® Overhead Distribution Racks

The PanZone® Overhead Distribution Rack is designed to add useable rack units above a rack/cabinet to maximize real estate utilization. It enables the deployment of zone distribution areas within the data center for greater scalability and quicker server deployments. This is accomplished by pre-cabling to the overhead rack in the initial build out and simply installing patch cords to connect to newly deployed servers.



**PZLRB2U**



**PZLRB4U**



**PZLRB6U**

Part Number	Description	Std. Pkg. Qty.
<b>PZLRB2U</b>	PanZone® 2 RU ladder rack bracket. Bracket fits Wyr-Grid® Overhead Cable Tray. Dimensions: 8.75"H x 20.26"W x 3.26"D (222.3mm x 514.6mm x 82.8mm)	1
<b>PZLRB4U</b>	PanZone® 4 RU ladder rack bracket. Bracket fits Wyr-Grid® Overhead Cable Tray. Dimensions: 12.25"H x 20.26"W x 3.26"D (311.2mm x 514.6mm x 82.8mm)	1
<b>PZLRB6U</b>	PanZone® 6 RU ladder rack bracket. Bracket fits Wyr-Grid® Overhead Cable Tray. Dimensions: 12.25"H x 20.26"W x 3.26"D (311.2mm x 514.6mm x 82.8mm)	1

^NEXUS is a trademark of SMED International Corporation, Calgary, Alberta, Canada.

## High Speed Data Transport Connectivity

- Designed for ease of server deployment with Top of Rack (ToR) and End of Row (EoR) switch
- Most Panduit passive solutions certified by Cisco^
- Thinnest copper cable in the market, with half meter lengths non air blocking up to 7 meters passive and then in one meter increments to 15 meters active giving greater flexibility in implementation

### QuickNet™ QSFP Harness Cable Assemblies



**FZ8HP5NLSQNF**

Part Number	Description	Std. Pkg. Qty.
<b>FZ8HP5NLSQNF*</b>	OM4 8-fiber harness cable assembly plenum (OFNP) rated, MPO female to LC duplex 60cm (24 inch) equal breakout, QSFP to SFP Migration Harness Std IL.	—
<b>FX8HP5NLSQNF*</b>	OM3 8-fiber harness cable assembly plenum (OFNP) rated, MPO female to LC duplex, 60cm (24 inch) equal breakout; QSFP to SFP Migration Harness, Std. IL.	—

\*Lengths available from 3 feet to 100 feet (replace \* with 003 to 100)

### PanMPO™ Interconnect Cable Assemblies

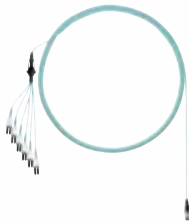


**FXTRP7N7NANF**

Part Number	Description	Std. Pkg. Qty.
<b>FXTRP7N7NANF*</b>	OM3 12-fiber, PanMPO™ interconnect cable assembly, plenum rated (OFNP), PanMPO™ Female to PanMPO™ Female, Method A, Std. IL, with no pulling eye.	—
<b>FZTRP7N7NANF*</b>	OM4 12-fiber, PanMPO™ interconnect cable assembly, plenum rated (OFNP), PanMPO™ Female to PanMPO™ Female, Method A, Std. IL, with no pulling eye.	—

\*Lengths available from 3 feet to 100 feet (replace \* with 003 to 100)

### PanMPO™ Harness Cable Assemblies



**FXTRP8NUFSNF**



**FXTRP8NUHSNF**



**FXTRP8NUSSNF**

Part Number	Description	Std. Pkg. Qty.
<b>FXTRP8NUFSNF*</b>	OM3 12-fiber, round harness cable assembly, plenum (OFNP) rated, PanMPO™ Male to LC Uniboot, staggered pair 1 longest, Std. IL.	—
<b>FXTRP8NUGSNF*</b>	OM3 12-fiber round harness cable assembly, plenum (OFNP) rated, PanMPO™ Male to LC Uniboot, staggered pair 1 shortest, Std. IL.	—
<b>FXTRP8NUHSNF*</b>	OM3 12-fiber round harness cable assembly, plenum (OFNP) rated, PanMPO™ Male to LC Uniboot staggered pairs 1 and 2 longest, Std. IL.	—
<b>FXTRP8NUJSNF*</b>	OM3 12-fiber round harness cable assembly, plenum (OFNP) rated, PanMPO™ Male to LC Uniboot staggered pairs 1 and 2 shortest, Std. IL.	—
<b>FXTRP8NUSSNF*</b>	OM3 12-fiber round harness cable assembly, plenum (OFNP) rated, PanMPO™ Male to LC Uniboot, 60cm (24 inch) equal breakout, Std. IL.	—
<b>FZTRP8NUFSNF*</b>	OM4 12-fiber round harness cable assembly, plenum (OFNP) rated, PanMPO™ Male to LC Uniboot, staggered pair 1 longest, Std. IL.	—
<b>FZTRP8NUGSNF*</b>	OM4 12-fiber round harness cable assembly, plenum (OFNP) rated, PanMPO™ Male to LC Uniboot, staggered pair 1 shortest, Std. IL.	—
<b>FZTRP8NUHSNF*</b>	OM4 12-fiber round harness cable assembly, plenum (OFNP) rated, PanMPO™ Male to LC Uniboot, staggered pairs 1 and 2 longest, Std. IL.	—
<b>FZTRP8NUJSNF*</b>	OM4 12-fiber round harness cable assembly, plenum (OFNP) rated, PanMPO™ Male to LC Uniboot, staggered pairs 1 and 2 shortest, Std. IL.	—
<b>FZTRP8NUSSNF*</b>	OM4 12-fiber round harness cable assembly, plenum (OFNP) rated, PanMPO™ Male to LC Uniboot, 60cm (24 inch) equal breakout, Std. IL.	—

\*Lengths available from 3 feet to 100 feet.

^Cisco is a registered trademark of Cisco Systems, Inc. and/or its affiliates in the United States and certain other countries.



## PanMPO™ Trunk Cable Assemblies



**FXTYP7E7EAAF**

Part Number	Description	Std. Pkg. Qty.
<b>FXTYP7E7EAAF*</b>	OM3 12-fiber, indoor small diameter trunk cable assembly, plenum rated (OFNP), PanMPO™ Female to PanMPO™ Female, Method A, Std IL., with pulling eye on end A.	—
<b>FZTYP7E7EAAF*</b>	OM4 12-fiber, indoor small diameter trunk cable assembly, plenum rated (OFNP), PanMPO™ Female to PanMPO™ Female, Method A, Std IL., with pulling eye on end A.	—
<b>FXUYP7E7EAAF*</b>	OM3 24-fiber, indoor small diameter, trunk cable diameter, plenum rated (OFNP), PanMPO™ Female to PanMPO™ Female, Method A, Std. IL, with pulling eye on end A.	—
<b>FZUYP7E7EAAF*</b>	OM4 24-fiber, indoor small diameter, trunk cable diameter, plenum rated (OFNP), PanMPO™ Female to PanMPO™ Female, Method A, Std. IL, with pulling eye on end A.	—

\*Lengths available from 3 feet to 100 feet (replace \* with 003 to 100).

## QuickNet™ Harness and Staggered Harness Cable Assemblies



**FZTHP6NLSSNF**

Part Number	Description	Std. Pkg. Qty.
<b>FZTHP6NLSSNF*</b>	OM4 12-fiber, harness cable assembly, plenum rated (OFNP), MPO male to LC duplex, 60CM (24 inch), equal breakout, Std. IL.	—
<b>FZTHP5NLSSNF*</b>	OM4 12-fiber, harness cable assembly, plenum rated (OFNP), MPO female to LC duplex, 60CM (24 inch), equal breakout, Std. IL.	—
<b>FXTHP6NLSSNF*</b>	OM3 12-fiber, harness cable assembly, plenum rated (OFNP), MPO male to LC duplex, 60CM (24 inch), with equal breakouts, Std. IL.	—
<b>FXTHP5NLSSNF*</b>	OM3 12-fiber, harness cable assembly, plenum rated (OFNP), MPO female to LC duplex, 60CM (24 inch), equal breakout, Std. IL.	—
<b>FZ8HP6NLSSNF*</b>	OM4 8-fiber, harness cable assembly, plenum rated (OFNP), MPO male to LC duplex, 60CM (24 inch), equal breakout, Std. IL.	—
<b>FX8HP6NLSSNF*</b>	OM3 8-fiber, harness cable assembly, plenum rated (OFNP), MPO male to LC duplex, 60CM (24 inches) equal breakout, Std. IL.	—

\*Lengths available from 3 feet to 100 feet (replace \* with 003 to 100).

### SFP+ 10Gig Direct Attach Passive Copper Cable Assembly

By incorporating 10Gig™ SFP+ Direct Attach Passive Copper Cable Assemblies into the physical infrastructure, businesses can achieve 10 Gigabit performance port-to-port without additional signal processing or conversion, providing a low power, low latency 10 Gb/s server interconnect option for top of rack switching applications.



**PSF1PXA0.5MBU**



**PSF1PXA1MBU**



**PSF1PXA3.5MBL**



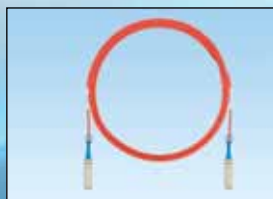
**PSF1PXA3MBU**



**PSF1PXA1.5MWH**



**PSF1PXA0.5MGR**



**PSF1PXA0.5MRD**

Part Number	Description	Std. Pkg. Length	Std. Ctn. Color
<b>PSF1PXA0.5MBL</b>	SFP+ 10Gig direct attach passive copper cable assembly, Black, 0.5m. High speed twinaxial cable assembly with SFP+ 10Gbps hot pluggable modular connectors on each end.	0.5m	Black
<b>PSF1PXA0.5MBU</b>	SFP+ 10Gig direct attach passive copper cable assembly, Blue, 0.5m. High speed twinaxial cable assembly with SFP+ 10Gbps hot pluggable modular connectors on each end.	0.5m	Blue
<b>PSF1PXA1MBL</b>	SFP+ 10Gig direct attach passive copper cable assembly, Black, 1m. High speed twin axial cable assembly with SFP+ 10Gbps hot pluggable modular connectors on each end.	1m	Black
<b>PSF1PXA1MBU</b>	SFP+ 10Gig direct attach passive copper cable assembly, Blue, 1m. High speed twinaxial cable assembly with SFP+ 10Gbps hot pluggable modular connectors on each end.	1m	Blue
<b>PSF1PXA1MWH</b>	SFP+ 10Gig direct attach passive copper cable assembly, White, 1m. High speed twinaxial cable assembly with SFP+ 10Gbps hot pluggable modular connectors on each end.	1m	White
<b>PSF1PXA1.5MBL</b>	SFP+ 10Gig direct attach passive copper cable assembly, Black, 1.5m. High speed twinaxial cable assembly with SFP+ 10Gbps hot pluggable modular connectors on each end.	1.5m	Black
<b>PSF1PXA1.5MBU</b>	SFP+ 10Gig direct attach passive copper cable assembly, Blue, 1.5m. High speed twinaxial cable assembly with SFP+ 10Gbps hot pluggable modular connectors on each end.	1.5m	Blue
<b>PSF1PXA1.5MWH</b>	SFP+ 10Gig direct attach passive copper cable assembly, White, 1.5m. High speed twinaxial cable assembly with SFP+ 10Gbps hot pluggable modular connectors on each end.	1.5m	White
<b>PSF1PXA2MBL</b>	SFP+ 10Gig direct attach passive copper cable assembly, Black, 2m. High speed twinaxial cable assembly with SFP+ 10Gbps hot pluggable modular connectors on each end.	2m	Black
<b>PSF1PXA2MBU</b>	SFP+ 10Gig direct attach passive copper cable assembly, Blue, 2m. High speed twinaxial cable assembly with SFP+ 10Gbps hot pluggable modular connectors on each end.	2m	Blue
<b>PSF1PXA2.5MBL</b>	SFP+ 10Gig direct attach passive copper cable assembly, Black, 2.5m. High speed twinaxial cable assembly with SFP+ 10Gbps hot pluggable modular connectors on each end.	2.5m	Black
<b>PSF1PXA2.5MBU</b>	SFP+ 10Gig direct attach passive copper cable assembly, Blue, 2.5m. High speed twinaxial cable assembly with SFP+ 10Gbps hot pluggable modular connectors on each end.	2.5m	Blue
<b>PSF1PXA3MBL</b>	SFP+ 10Gig direct attach passive copper cable assembly, Black, 3m. High speed twinaxial cable assembly with SFP+ 10Gbps hot pluggable modular connectors on each end.	3m	Black
<b>PSF1PXA3MBU</b>	SFP+ 10Gig direct attach passive copper cable assembly, Blue, 3m. High speed twinaxial cable assembly with SFP+ 10Gbps hot pluggable modular connectors on each end.	3m	Blue
<b>PSF1PXA3MWH</b>	SFP+ 10Gig direct attach passive copper cable assembly, White, 3m. High speed twinaxial cable assembly with SFP+ 10Gbps hot pluggable modular connectors on each end.	3m	White
<b>PSF1PXA3.5MBL</b>	SFP+ 10Gig direct attach passive copper cable assembly, Black, 3.5m. High speed twinaxial cable assembly with SFP+ 10Gbps hot pluggable modular connectors on each end.	3.5m	Black
<b>PSF1PXA3.5MBU</b>	SFP+ 10Gig direct attach passive copper cable assembly, Blue, 3.5m. High speed twinaxial cable assembly with SFP+ 10Gbps hot pluggable modular connectors on each end.	3.5m	Blue

Available in Red and Green.

## SFP+ 10Gig Direct Attach Passive Copper Cable Assembly

Part Number	Description	Std. Pkg. Length	Std. Ctn. Color
<b>PSF1PXD4MBL</b>	SFP+ 10Gig direct attach passive copper cable assembly, Black, 4m. High speed twinaxial cable assembly with SFP+ 10Gbps hot pluggable modular connectors on each end.	4m	Black
<b>PSF1PXD4MBU</b>	SFP+ 10Gig direct attach passive copper cable assembly, Blue, 4m. High speed twinaxial cable assembly with SFP+ 10Gbps hot pluggable modular connectors on each end.	4m	Blue
<b>PSF1PXD4.5MBL</b>	SFP+ 10Gig direct attach passive copper cable assembly, Black, 4.5m. High speed twinaxial cable assembly with SFP+ 10Gbps hot pluggable modular connectors on each end.	4.5m	Black
<b>PSF1PXD4.5MBU</b>	SFP+ 10Gig direct attach passive copper cable assembly, Blue, 4.5m. High speed twinaxial cable assembly with SFP+ 10Gbps hot pluggable modular connectors on each end.	4.5m	Blue
<b>PSF1PXD4.5MWH</b>	SFP+ 10Gig direct attach passive copper cable assembly, White, 4.5m. High speed twinaxial cable assembly with SFP+ 10Gbps hot pluggable modular connectors on each end.	4.5m	White
<b>PSF1PXD5MBL</b>	SFP+ 10Gig direct attach passive copper cable assembly, Black, 5m. High speed twinaxial cable assembly with SFP+ 10Gbps hot pluggable modular connectors on each end.	5m	Black
<b>PSF1PXD5MBU</b>	SFP+ 10Gig direct attach passive copper cable assembly, Blue, 5m. High speed twinaxial cable assembly with SFP+ 10Gbps hot pluggable modular connectors on each end.	5m	Blue
<b>PSF1PXD5MWH</b>	SFP+ 10Gig direct attach passive copper cable assembly, White, 5m. High speed twinaxial cable assembly with SFP+ 10Gbps hot pluggable modular connectors on each end.	5m	White
<b>PSF1PXD5.5MBL</b>	SFP+ 10Gig direct attach passive copper cable assembly, Black, 5.5m. High speed twinaxial cable assembly with SFP+ 10Gbps hot pluggable modular connectors on each end.	5.5m	Black
<b>PSF1PXD5.5MWH</b>	SFP+ 10Gig direct attach passive copper cable assembly, White, 5.5m. High speed twinaxial cable assembly with SFP+ 10Gbps hot pluggable modular connectors on each end.	5.5m	White
<b>PSF1PXD6MBL</b>	SFP+ 10Gig direct attach passive copper cable assembly, Black, 6m. High speed twinaxial cable assembly with SFP+ 10Gbps hot pluggable modular connectors on each end.	6m	Black
<b>PSF1PXD6MWH</b>	SFP+ 10Gig direct attach passive copper cable assembly, White, 6m. High speed twinaxial cable assembly with SFP+ 10Gbps hot pluggable modular connectors on each end.	6m	White
<b>PSF1PXD6.5MBL</b>	SFP+ 10Gig direct attach passive copper cable assembly, Black, 6.5m. High speed twinaxial cable assembly with SFP+ 10Gbps hot pluggable modular connectors on each end.	6.5m	Black
<b>PSF1PXD6.5MWH</b>	SFP+ 10Gig direct attach passive copper cable assembly, White, 6.5m. High speed twinaxial cable assembly with SFP+ 10Gbps hot pluggable modular connectors on each end.	6.5m	White
<b>PSF1PXD7MBL</b>	SFP+ 10Gig direct attach passive copper cable assembly, Black, 7m. High speed twinaxial cable assembly with SFP+ 10Gbps hot pluggable modular connectors on each end.	7m	Black

Available in Red and Green.

### SFP+ 10Gig Direct Attach Active Copper Cable Assembly

These active SFP+ copper cable assemblies contain low power circuitry in the connector to boost the signal and are driven from the port without additional power requirements. They provide a low cost alternative to optical transceivers, and are generally used for end of row or middle of row data center architectures for interconnect distances of up to 15 meters.



**PSF1AXD10MBU**



**PSF1AXD10MWH**

Part Number	Description	Std. Pkg. Length	Std. Ctn. Color
<b>PSF1AXD7MBL</b>	SFP+ 10Gig direct attach active copper cable assembly, Black, 7m. High speed active twinaxial cable assembly with SFP+ 10 Gb/s hot pluggable, modular connectors on each end.	7m	Black
<b>PSF1AXD7MBU</b>	SFP+ 10Gig direct attach active copper cable assembly, Blue, 7m. High speed active twinaxial cable assembly with SFP+ 10 Gb/s hot pluggable, modular connectors on each end.	7m	Blue
<b>PSF1AXD7MWH</b>	SFP+ 10Gig direct attach active copper cable assembly, White, 7m. High speed active twinaxial cable assembly with SFP+ 10 Gb/s hot pluggable, modular connectors on each end.	7m	White
<b>PSF1AXD8MBL</b>	SFP+ 10Gig direct attach active copper cable assembly, Black, 8m. High speed active twinaxial cable assembly with SFP+ 10 Gb/s hot pluggable, modular connectors on each end.	8m	Black
<b>PSF1AXD8MBU</b>	SFP+ 10Gig direct attach active copper cable assembly, Blue, 8m. High speed active twinaxial cable assembly with SFP+ 10 Gb/s hot pluggable, modular connectors on each end.	8m	Blue
<b>PSF1AXD8MWH</b>	SFP+ 10Gig direct attach active copper cable assembly, White, 8m. High speed active twinaxial cable assembly with SFP+ 10 Gb/s hot pluggable, modular connectors on each end.	8m	White
<b>PSF1AXD9MBL</b>	SFP+ 10Gig direct attach active copper cable assembly, Black, 9m. High speed active twinaxial cable assembly with SFP+ 10 Gb/s hot pluggable, modular connectors on each end.	9m	Black
<b>PSF1AXD9MBU</b>	SFP+ 10Gig direct attach active copper cable assembly, Blue, 9m. High speed active twinaxial cable assembly with SFP+ 10 Gb/s hot pluggable, modular connectors on each end.	9m	Blue
<b>PSF1AXD9MWH</b>	SFP+ 10Gig direct attach active copper cable assembly, White, 9m. High speed active twinaxial cable assembly with SFP+ 10 Gb/s hot pluggable, modular connectors on each end.	9m	White
<b>PSF1AXD10MBL</b>	SFP+ 10Gig direct attach active copper cable assembly, Black, 10m. High speed active twinaxial cable assembly with SFP+ 10 Gb/s hot pluggable, modular connectors on each end.	10m	Black
<b>PSF1AXD10MBU</b>	SFP+ 10Gig direct attach active copper cable assembly, Blue, 10m. High speed active twinaxial cable assembly with SFP+ 10 Gb/s hot pluggable, modular connectors on each end.	10m	Blue
<b>PSF1AXD10MWH</b>	SFP+ 10Gig direct attach active copper cable assembly, White, 10m. High speed active twinaxial cable assembly with SFP+ 10 Gb/s hot pluggable, modular connectors on each end.	10m	White
<b>PSF1AXD11MBL</b>	SFP+ 10Gig direct attach active copper cable assembly, Black, 11m. High speed active twinaxial cable assembly with SFP+ 10 Gb/s hot pluggable, modular connectors on each end.	11m	Black
<b>PSF1AXD11MBU</b>	SFP+ 10Gig direct attach active copper cable assembly, Blue, 11m. High speed active twinaxial cable assembly with SFP+ 10 Gb/s hot pluggable, modular connectors on each end.	11m	Blue



## SFP+ 10Gig Direct Attach Active Copper Cable Assembly

Part Number	Description	Std. Pkg. Length	Std. Ctn. Color
<b>PSF1AXD11MWH</b>	SFP+ 10Gig direct attach active copper cable assembly, White, 11m. High speed active twinaxial cable assembly with SFP+ 10 Gb/s hot pluggable, modular connectors on each end.	11m	White
<b>PSF1AXD12MBL</b>	SFP+ 10Gig direct attach active copper cable assembly, Black, 12m. High speed active twinaxial cable assembly with SFP+ 10 Gb/s hot pluggable, modular connectors on each end.	12m	Black
<b>PSF1AXD12MBU</b>	SFP+ 10Gig direct attach active copper cable assembly, Blue, 12m. High speed active twinaxial cable assembly with SFP+ 10 Gb/s hot pluggable, modular connectors on each end.	12m	Blue
<b>PSF1AXD12MWH</b>	SFP+ 10Gig direct attach active copper cable assembly, White, 12m. High speed active twinaxial cable assembly with SFP+ 10 Gb/s hot pluggable, modular connectors on each end.	12m	White
<b>PSF1AXD13MBL</b>	SFP+ 10Gig direct attach active copper cable assembly, Black, 13m. High speed active twinaxial cable assembly with SFP+ 10 Gb/s hot pluggable, modular connectors on each end.	13m	Black
<b>PSF1AXD13MWH</b>	SFP+ 10Gig direct attach active copper cable assembly, White, 13m. High speed active twinaxial cable assembly with SFP+ 10 Gb/s hot pluggable, modular connectors on each end.	13m	White
<b>PSF1AXD13MBU</b>	SFP+ 10Gig direct attach active copper cable assembly, Blue, 13m. High speed active twinaxial cable assembly with SFP+ 10 Gb/s hot pluggable, modular connectors on each end.	13m	Blue
<b>PSF1AXD14MBL</b>	SFP+ 10Gig direct attach active copper cable assembly, Black, 14m. High speed active twinaxial cable assembly with SFP+ 10 Gb/s hot pluggable, modular connectors on each end.	14m	Black
<b>PSF1AXD14MWH</b>	SFP+ 10Gig direct attach active copper cable assembly, White, 14m. High speed active twinaxial cable assembly with SFP+ 10 Gb/s hot pluggable, modular connectors on each end.	14m	White
<b>PSF1AXD14MBU</b>	SFP+ 10Gig direct attach active copper cable assembly, Blue, 14m. High speed active twinaxial cable assembly with SFP+ 10 Gb/s hot pluggable, modular connectors on each end.	14m	Blue
<b>PSF1AXD15MBL</b>	SFP+ 10Gig direct attach active copper cable assembly, Black, 15m. High speed active twinaxial cable assembly with SFP+ 10 Gb/s hot pluggable, modular connectors on each end.	15m	Black
<b>PSF1AXD15MWH</b>	SFP+ 10Gig direct attach active copper cable assembly, White, 15m. High speed active twinaxial cable assembly with SFP+ 10 Gb/s hot pluggable, modular connectors on each end.	15m	White
<b>PSF1AXD15MBU</b>	SFP+ 10Gig direct attach active copper cable assembly, Blue, 15m. High speed active twinaxial cable assembly with SFP+ 10 Gb/s hot pluggable, modular connectors on each end.	15m	Blue

### Copper Connectivity

Panduit offers the most extensive collection of patch cords available to meet any of your deployment needs. All cords are 100% tested for performance and feature a patented tangle free latch. In addition to our standard unshielded and shielded offerings for Category 5e, Category 6, and Category 6A, Panduit goes beyond standards to also offer small diameter patch cords for Category 5e, 6 and 6A installations. These cords have significantly smaller cable diameters than typical Category 5e, 6 and 6A offerings, and have a minimal impact of shortening the maximum channel length by only a few meters.



- Patented tangle-free latch provides easy release, saving time on moves, adds, and changes
- Multiple colors enable engineers to identify critical services by sight
- Small diameter cables result in improved cable flexibility, easier cable management, optimal airflow, reduced cable pathway fill, and potentially lower operating costs

### QuickNet™ Patch Panels



**QAPP24BL**



**QAPP48HDBL**



**QPP24BL**



**QPP48HDBL**



**QPPABL**



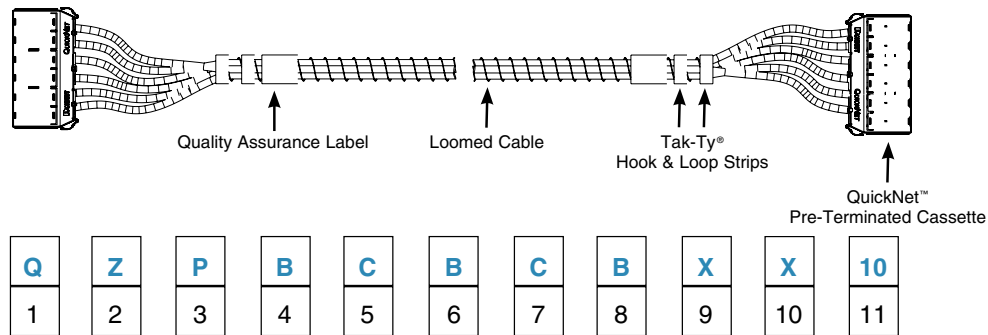
**QPPBBL**



**QSP48HDBL**

Part Number	Description	Std. Pkg. Qty.
<b>QAPP24BL</b>	QuickNet™ Patch Panel, angled, 24-port, 1 RU. 24-port, angled patch panel which accepts QuickNet™ Pre-Terminated Cassettes and Patch Panel Adapters.	1
<b>QAPP48HDBL</b>	QuickNet™ Patch Panel, angled, 48-port, 1 RU. 48-port, angled patch panel which accepts QuickNet™ Pre-Terminated Cassettes and Patch Panel Adapters.	1
<b>QPP24BL</b>	QuickNet™ Patch Panel, flat, 24-port, 1RU. 24-port, patch panel which accepts QuickNet™ Pre-Terminated Cassettes and Patch Panel Adapters.	1
<b>QPP48HDBL</b>	QuickNet™ Patch Panel, flat, 48-port, 1RU. 48-port, patch panel which accepts QuickNet™ Pre-Terminated Cassettes and Patch Panel Adapters.	1
<b>QPPABL</b>	QuickNet™ Patch Panel Adapter which accepts Mini-Com® Modules for UTP, fiber optic, and audio/visual applications.	1
<b>QPPBBL</b>	QuickNet™ Patch Panel Blank reserves space for future use and promotes proper airflow and cooling. Use QPPLC24 for label/label cover.	1
<b>QSP48HDBL</b>	QuickNet™ All Metal High Density Patch Panel, flat, 48-port, 1 RU. All metal patch panel which accepts QuickNet™ Pre-Terminated Shielded Cassettes and Patch Panel Adapters.	1

## QuickNet™ Cable Assembly Ordering Information for North America



Example – The above part number is a 10 foot QuickNet™ Cable Assembly constructed of Category 6A, UTP, plenum cable (blue) with a pre-terminated cassette (blue jacks installed) on each end.

### 1 – Q = QuickNet™

### 2 – Performance Level

- B = Category 6 Enhanced UTP
- C = Category 6 UTP
- E = Category 6A (TX6A™ 10Gig™) Shielded
- X = Category 6A (TX6A-SD™ 10Gig™) UTP MaTriX
- Z = Category 6A (TX6A™ 10Gig™) UTP MaTriX

### 3 – Flame/Smoke Rating

- R = Riser or P = Plenum

### 4 – Cable Color

- B = Blue or W = White

### 5 – Termination End 1

- C = Cassette
- J = Jack modules
- P = Modular plugs
- K = Jack modules staggered right
- L = Jack modules staggered left
- Q = Modular plugs staggered right
- S = Modular plugs staggered left

### 6 – Termination End 1 Color Options

#### Jack Module Color Options

- B = Blue, E = Electric Ivory, G = Green,
- H = Off White, I = International Gray,
- L = Black, O = Orange, R = Red, V = Violet,
- W = White, Y = Yellow

Shielded Jack Modules, chose option  
L (all Shielded Jack Modules are Black)

#### Modular Plug and Underterminated Color Options

- X = No color option available, all modular plugs are clear

### 7 – Termination End 2

- A = Plug pack (6-pack)
- R = Recessed plug pack (6-pack)
- C = Cassette
- J = Jack modules
- P = Modular plugs
- K = Jack modules staggered right
- L = Jack modules staggered left
- Q = Modular plugs staggered right
- S = Modular plugs staggered left
- U = Underterminated
- O = Underterminated with cassette and jack modules for on-site termination

### 8 – Termination End 2 Color Options

#### Jack Module Color Options

- B = Blue, E = Electric Ivory, G = Green,
- H = Off White, I = International Gray,
- L = Black, O = Orange, R = Red, V = Violet,
- W = White, Y = Yellow

Shielded Jack Modules, chose option

L (all Shielded Jack Modules are Black)

#### Plug Pack Color Options

- B = Blue, W = White, R = Red, L = Black

#### Recessed Plug Pack Color Options

- S = Silver

#### Modular Plug and Underterminated Color Options

- X = No color option available, all modular plugs are clear

### 9 – Assembly Options

- P = Pulling eye
- X = No assembly options requested

### 10 – Custom Labeling\*

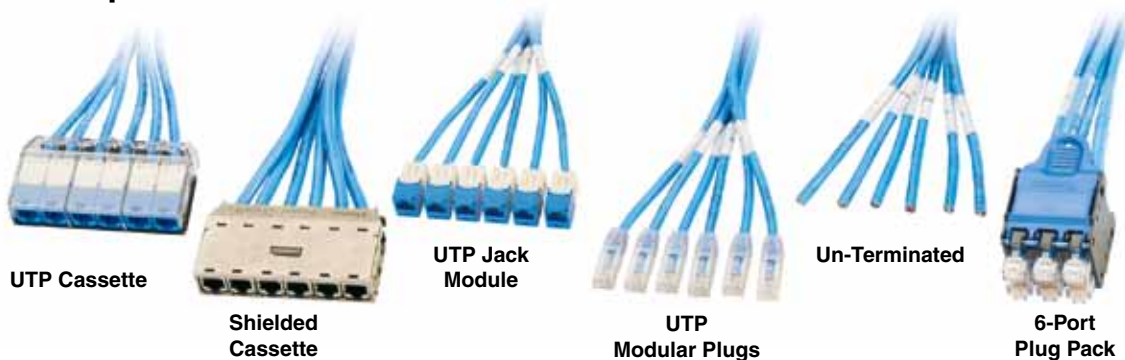
- L = Custom assembly label
- C = Custom cable labels
- B = Custom assembly and cable labels
- X = No custom labels requested

### 11 – Assembly Length\*\*

- 10' to 295' (one foot increments)

\*Custom cable assembly labels are available up to eighteen characters; individual cable labels are available up to fifteen characters.

## Termination Options



### Unshielded, Category 6, Small Diameter

The main advantages of these patch cords are the 0.150 in. nominal cable diameter that occupies less than half the space of traditional patch cords. This smaller diameter cable results in improved cable flexibility, easier cable management, optimal airflow, reduced cable pathway fill, and potentially lower operating costs.



UTP28SP3



UTP28SP3BU

Part Number	Description	Std. Pkg. Length	Std. Ctn. Color
UTP28SP3	Category 6 UTP 28AWG cable assembly, Off White.	3 ft.	Off White
UTP28SP3BU	Category 6 UTP 28AWG cable assembly, Blue.	3 ft.	Blue
UTP28SP3GR	Category 6 UTP 28AWG cable assembly, Green.	3 ft.	Green
UTP28SP3VL	Category 6 UTP 28AWG cable assembly, Violet.	3 ft.	Violet
UTP28SP7	Category 6 UTP 28AWG cable assembly, Off White.	7 ft.	Off White
UTP28SP7BU	Category 6 UTP 28AWG cable assembly, Blue.	7 ft.	Blue
UTP28SP7GR	Category 6 UTP 28AWG cable assembly, Green.	7 ft.	Green
UTP28SP7VL	Category 6 UTP 28AWG cable assembly, Violet.	7 ft.	Violet
UTP28SP10	Category 6 UTP 28AWG cable assembly, Off White.	10 ft.	Off White
UTP28SP10BU	Category 6 UTP 28AWG cable assembly, Blue.	10 ft.	Blue
UTP28SP10GR	Category 6 UTP 28AWG cable assembly, Green.	10 ft.	Green
UTP28SP10VL	Category 6 UTP 28AWG cable assembly, Violet.	10 ft.	Violet
UTP28SP15	Category 6 UTP 28AWG cable assembly, Off White.	15 ft.	Off White
UTP28SP15BU	Category 6 UTP 28AWG cable assembly, Blue.	15 ft.	Blue
UTP28SP15GR	Category 6 UTP 28AWG cable assembly, Green.	15 ft.	Green
UTP28SP15VL	Category 6 UTP 28AWG cable assembly, Violet.	15 ft.	Violet

All patch cords are offered in a variety of standard colors and lengths for design flexibility.

### Unshielded, Category 6



UTPSP3Y



UTPSP3BUY

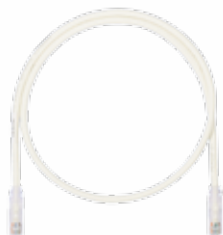
Part Number	Description	Std. Pkg. Length	Std. Ctn. Col.
UTPSP3Y	Copper patch cord, Category 6, Off White UTP patch cord with TX6™ PLUS Modular Plugs on each end.	3 ft.	Off White
UTPSP3BUY	Copper patch cord, Category 6, Blue UTP patch cord with TX6™ PLUS Modular Plugs on each end.	3 ft.	Blue
UTPSP7Y	Copper patch cord, Category 6, Off White UTP patch cord with TX6™ PLUS Modular Plugs on each end.	7 ft.	Off White
UTPSP7BUY	Copper patch cord, Category 6, Blue UTP patch cord with TX6™ PLUS Modular Plugs on each end.	7 ft.	Blue
UTPSP10Y	Copper patch cord, Category 6, Off White UTP patch cord with TX6™ PLUS Modular Plugs on each end.	10 ft.	Off White
UTPSP10BUY	Copper patch cord, Category 6, Blue UTP patch cord with TX6™ PLUS Modular Plugs on each end.	10 ft.	Blue
UTPSP15Y	Copper patch cord, Category 6, Off White UTP patch cord with TX6™ PLUS Modular Plugs on each end.	15 ft.	Off White
UTPSP15BUY	Copper patch cord, Category 6, Blue UTP patch cord with TX6™ PLUS Modular Plugs on each end.	15 ft.	Blue
UTPSP35Y	Copper patch cord, Category 6, Off White UTP patch cord with TX6™ PLUS Modular Plugs on each end.	35 ft.	Off White
UTPSP35BUY	Copper patch cord, Category 6, Blue UTP patch cord with TX6™ PLUS Modular Plugs on each end.	35 ft.	Blue

All patch cords are offered in a variety of standard colors and lengths for design flexibility.

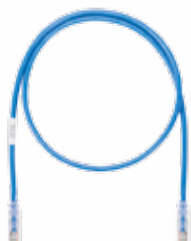


## Unshielded, Category 6A, Small Diameter

The main advantages of these patch cords are the 0.150 in, nominal cable diameter that occupies less than half the space of traditional patch cords. This smaller diameter cable results in improved cable flexibility, easier cable management, optimal airflow, reduced cable pathway fill, and potentially lower operating costs.



UTP6ASD3

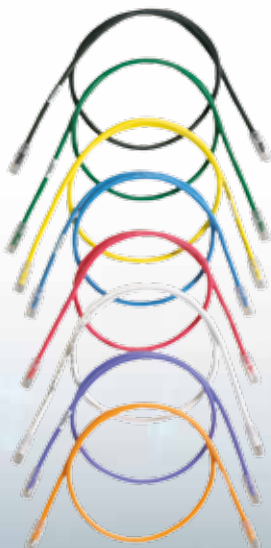


UTP6ASD3BU

Part Number	Description	Std. Pkg. Length	Std. Ctn. Color
UTP6ASD3	Copper patch cord, Category 6A (SD), Off White UTP cable. 10 Gb/s UTP patch cord with TX6A™ 10Gig™ Modular Plugs on each end.	3 ft.	Off White
UTP6ASD3BU	Copper patch cord, Category 6A (SD), Blue UTP cable. 10 Gb/s UTP patch cord with TX6A™ 10Gig™ Modular Plugs on each end.	3 ft.	Blue
UTP6ASD7	Copper patch cord, Category 6A (SD), Off White UTP cable. 10 Gb/s UTP patch cord with TX6A™ 10Gig™ Modular Plugs on each end.	7 ft.	Off White
UTP6ASD7BU	Copper patch cord, Category 6A (SD), Blue UTP cable. 10 Gb/s UTP patch cord with TX6A™ 10Gig™ Modular Plugs on each end.	7 ft.	Blue
UTP6ASD10	Copper patch cord, Category 6A (SD), Off White UTP cable. 10 Gb/s UTP patch cord with TX6A™ 10Gig™ Modular Plugs on each end.	10 ft.	Off White
UTP6ASD10BU	Copper patch cord, Category 6A (SD), Blue UTP cable. 10 Gb/s UTP patch cord with TX6A™ 10Gig™ Modular Plugs on each end.	10 ft.	Blue
UTP6ASD15	Copper patch cord, Category 6A (SD), Off White UTP cable. 10 Gb/s UTP patch cord with TX6A™ 10Gig™ Modular Plugs on each end.	15 ft.	Off White
UTP6ASD15BU	Copper patch cord, Category 6A (SD), Blue UTP cable. 10 Gb/s UTP patch cord with TX6A™ 10Gig™ Modular Plugs on each end.	15 ft.	Blue
UTP6ASD35	Copper patch cord, Category 6A (SD), Off White UTP cable. 10 Gb/s UTP patch cord with TX6A™ 10Gig™ Modular Plugs on each end.	35 ft.	Off White
UTP6ASD35BU	Copper patch cord, Category 6A (SD), Blue UTP cable. 10 Gb/s UTP patch cord with TX6A™ 10Gig™ Modular Plugs on each end.	35 ft.	Blue

All patch cords are offered in a variety of standard colors and lengths for design flexibility.

## Unshielded, Category 6A



Part Number	Description	Std. Pkg. Length	Std. Ctn. Color
UTP6A3	Copper patch cord, Category 6A, Off White UTP cable. 10 Gb/s UTP patch cord with TX6A™ 10Gig™ Modular Plugs on each end.	3 ft.	Off White
UTP6A3BU	Copper patch cord, Category 6A, Blue UTP cable. 10 Gb/s UTP patch cord with TX6A™ 10Gig™ Modular Plugs on each end.	3 ft.	Blue
UTP6A7	Copper patch cord, Category 6A, Off White UTP cable. 10 Gb/s UTP patch cord with TX6A™ 10Gig™ Modular Plugs on each end.	7 ft.	Off White
UTP6A7BU	Copper patch cord, Category 6A, Blue UTP cable. 10 Gb/s UTP patch cord with TX6A™ 10Gig™ Modular Plugs on each end.	7 ft.	Blue
UTP6A10	Copper patch cord, Category 6A, Off White UTP cable. 10 Gb/s UTP patch cord with TX6A™ 10Gig™ Modular Plugs on each end.	10 ft.	Off White
UTP6A10BU	Copper patch cord, Category 6A, Blue UTP cable. 10 Gb/s UTP patch cord with TX6A™ 10Gig™ Modular Plugs on each end.	10 ft.	Blue
UTP6A15	Copper patch cord, Category 6A, Off White UTP cable. 10 Gb/s UTP patch cord with TX6A™ 10Gig™ Modular Plugs on each end.	15 ft.	Off White
UTP6A15BU	Copper patch cord, Category 6A, Blue UTP cable. 10 Gb/s UTP patch cord with TX6A™ 10Gig™ Modular Plugs on each end.	15 ft.	Blue
UTP6A35	Copper patch cord, Category 6A, Off White UTP cable. 10 Gb/s UTP patch cord with TX6A™ 10Gig™ Modular Plugs on each end.	35 ft.	Off White
UTP6A35BU	Copper patch cord, Category 6A, Blue UTP cable. 10 Gb/s UTP patch cord with TX6A™ 10Gig™ Modular Plugs on each end.	35 ft.	Blue

All patch cords are offered in a variety of standard colors and lengths for design flexibility.

### Unshielded, Category 5e, Small Diameter



UTP28CH3

Part Number	Description	Std. Pkg. Length	Std. Ctn. Color
UTP28CH3	Category 5e performance, 28 AWG, Off White, UTP patch cord with Pan-Plug™ Modular Plugs on each end.	3 ft.	Off White
UTP28CH3BU	Category 5e performance, 28 AWG, Blue, UTP patch cord with Pan-Plug™ Modular Plugs on each end.	3 ft.	Blue
UTP28CH7	Category 5e performance, 28 AWG, Off White, UTP patch cord with Pan-Plug™ Modular Plugs on each end.	7 ft.	Off White
UTP28CH7BU	Category 5e performance, 28 AWG, Blue, UTP patch cord with Pan-Plug™ Modular Plugs on each end.	7 ft.	Blue
UTP28CH10	Category 5e performance, 28 AWG, Off White, UTP patch cord with Pan-Plug™ Modular Plugs on each end.	10 ft.	Off White
UTP28CH10BU	Category 5e performance, 28 AWG, Blue, UTP patch cord with Pan-Plug™ Modular Plugs on each end.	10 ft.	Blue
UTP28CH15	Category 5e performance, 28 AWG, Off White, UTP patch cord with Pan-Plug™ Modular Plugs on each end.	15 ft.	Off White
UTP28CH15BU	Category 5e performance, 28 AWG, Blue, UTP patch cord with Pan-Plug™ Modular Plugs on each end.	15 ft.	Blue
UTP28CH35	Category 5e performance, 28 AWG, Off White, UTP patch cord with Pan-Plug™ Modular Plugs on each end.	35 ft.	Off White
UTP28CH35BU	Category 5e performance, 28 AWG, Blue, UTP patch cord with Pan-Plug™ Modular Plugs on each end.	35 ft.	Blue

All patch cords are offered in a variety of standard colors and lengths for design flexibility.

### Modular Patch Panels



CPPA24FMWBLY



CPPA48FMWBLY



CPP24FMWBLY



CPP48FMWBLY

Part Number	Description	Std. Pkg. Qty.
CPPA24FMWBLY	Angled 24-port flush mount patch panel supplied with rear mounted faceplates.	—
CPPA48FMWBLY	Angled 48-port flush mount patch panel supplied with rear mounted faceplates.	—
CPP24FMWBLY	24-port flush mount patch panel supplied with rear mounted faceplates.	—
CPP48FMWBLY	48-port flush mount patch panel supplied with rear mounted faceplates.	—

## Fiber Connectivity

With best-in-class physical infrastructure solutions, Panduit provides the broadest offering of end-to-end HSDT solutions: optical fiber, direct attach copper cable assemblies, and twisted pair copper cabling. This gives data center architects and managers maximum flexibility in the design, layout, and implementation of their data centers. Specifically, HSDT enables advanced network designs such as fabric-based architectures and FCoE, as well as higher bandwidth deployments such as 10/40/100 Gig Ethernet LANs and 8/16/32 Gig Fiber Channel SANs to be deployed independently or in various combinations.

- Patch cords are tested to support network transmission speeds up to 10 Gb/s for link lengths up to 550 meters with an 850nm source per IEEE 802.3ae 10 GbE standard
- Backward compatible for use with all 50/125µm system requirements
- Push-pull connectors are easy connect, disconnect for speed of deployment

### Fiber Adapter Panels



FAP12WAQDLC



FAP12WBUDLCZ



FFAP6WAQDSCZ



FAP6WBUDSCZ



FAP6WST

Part Number	Description	Std. Pkg. Qty.
FAP12WAQDLC	FAP with twelve LC 10 GbE duplex multimode adapters (Aqua), phosphor bronze. LC 10Gig™ OM3/OM4 FAP loaded with twelve LC 10Gig™ Duplex Multimode Fiber Optic Adapters (Aqua) with phosphor bronze split sleeves.	1
FAP12WBUDLCZ	FAP with twelve LC 10 GbE duplex multimode adapters (Aqua), zirconia. LC 10Gig™ OM3/OM4 FAP loaded with twelve LC 10Gig™ Duplex Multimode Fiber Optic Adapters (Aqua) with zirconia ceramic split sleeves.	1
FAP12WBUDLCZ	FAP with twelve LC duplex adapters (Blue), zirconia. LC OS1/OS2 FAP loaded with twelve LC duplex singlemode fiber optic adapters (Blue) with zirconia ceramic split sleeves.	1
FAP6WAQDLC	FAP with six LC 10 GbE duplex multimode adapters (Aqua), phosphor bronze. LC 10Gig™ OM3/OM4 FAP loaded with six LC 10Gig™ Duplex Multimode Fiber Optic Adapters (Aqua) with phosphor bronze split sleeves.	1
FAP6WAQDLCZ	FAP with six LC 10 GbE duplex multimode adapters (Aqua), zirconia. LC 10Gig™ OM3/OM4 FAP loaded with six LC 10Gig™ Duplex Multimode Fiber Optic Adapters (Aqua) with zirconia ceramic split sleeves.	1
FAP6WAQDSCZ	FAP with six SC 10 GbE duplex multimode adapters (Aqua), zirconia. SC 10Gig™ OM3/OM4 FAP loaded with six SC 10Gig™ Duplex Multimode Fiber Optic Adapters (Aqua) with zirconia ceramic split sleeves.	1
FAP6WBUDLCZ	FAP with six LC duplex adapters (Blue), zirconia. LC OS1/OS2 FAP loaded with six LC duplex singlemode fiber optic adapters (Blue) with zirconia ceramic split sleeves.	1
FAP6WBUDSCZ	FAP with six SC duplex adapters (Blue), zirconia. SC FAP loaded with six SC duplex singlemode fiber optic adapters (Blue) with zirconia ceramic split sleeves.	1
FAP6WST	FAP with six ST simplex multimode adapters, phosphor bronze. ST FAP loaded with six ST simplex multimode fiber optic adapters with phosphor bronze split sleeves.	1

### Blank Adapter Panels



FAPB

Part Number	Description	Std. Pkg. Qty.
FAPB	Blank FAP. Blank fiber adapter panel – reserves space for future use.	1

### Fiber Trays



FCE1U



FCE2U



FCE4U

Part Number	Description	Std. Pkg. Qty.
FCE1U	Holds up to four QuickNet™ Cassettes, FAP adapter panels, or FOSM splice modules. Dimensions: 1.73"H x 17.60"W x 16.30"D (43.9mm x 447.0mm x 414.0mm)	1
FCE2U	Holds up to eight QuickNet™ Cassettes, FAP adapter panels, or FOSM splice modules. Dimensions: 3.48"H x 17.60"W x 16.30"D (88.4mm x 447.0mm x 414.0mm)	1
FCE4U	Holds up to twelve QuickNet™ Cassettes, FAP adapter panels, or FOSM splice modules. Dimensions: 6.98"H x 17.60"W x 16.30"D (177.0mm x 447.0mm x 414.0mm)	1

### Patch Cords – LC Duplex to LC Duplex



FX2ERLNLNSNM001

Part Number	Description	Std. Pkg. Length
FX2ERLNLNSNM001	OM3 2-fiber patch cord, LC Duplex to LC Duplex OFNR (riser) rated 1.6mm jacketed cable Std. IL. Aqua.	1m
FX2ERLNLNSNM002	OM3 2-fiber patch cord, LC Duplex to LC Duplex OFNR (riser) rated 1.6mm jacketed cable Std. IL. Aqua.	2m
FX2ERLNLNSNM003	OM3 2-fiber patch cord, LC Duplex to LC Duplex OFNR (riser) rated 1.6mm jacketed cable Std. IL. Aqua.	3m
F52ERLNLNSNM001	OM2 2-fiber patch cord, LC Duplex to LC Duplex OFNR (riser) rated 1.6mm jacketed cable Std. IL. Orange.	1m
F52ERLNLNSNM002	OM2 2-fiber patch cord, LC Duplex to LC Duplex OFNR (riser) rated 1.6mm jacketed cable Std. IL. Orange.	2m
F52ERLNLNSNM003	OM2 2-fiber patch cord, LC Duplex to LC Duplex OFNR (riser) rated 1.6mm jacketed cable Std. IL. Orange.	3m
F62ERLNLNSNM001	OM1 2-fiber patch cord, LC Duplex to LC Duplex OFNR (riser) rated 1.6mm jacketed cable Std. IL. Orange.	1m
F62ERLNLNSNM002	OM1 2-fiber patch cord, LC Duplex to LC Duplex OFNR (riser) rated 1.6mm jacketed cable Std. IL. Orange..	2m
F62ERLNLNSNM003	OM1 2-fiber patch cord, LC Duplex to LC Duplex OFNR (riser) rated 1.6mm jacketed cable Std. IL. Orange.	3m
F92ERLNLNSNM001	OS1/OS2 2-fiber patch cord, LC Duplex to LC Duplex OFNR (riser) rated 1.6mm jacketed cable Std. IL. Yellow.	1m
F92ERLNLNSNM002	OS1/OS2 2-fiber patch cord, LC Duplex to LC Duplex OFNR (riser) rated 1.6mm jacketed cable Std. IL. Yellow.	2m
F92ERLNLNSNM003	OS1/OS2 2-fiber patch cord, LC Duplex to LC Duplex OFNR (riser) rated 1.6mm jacketed cable Std. IL. Yellow.	3m



## Patch Cords – LC Push-Pull to LC Push-Pull



**F92ERQNSNM**

Part Number	Description	Std. Pkg. Length
<b>FX2ERQNSNM001</b>	OM3 2-fiber, OFNR (riser) rated, LC push-pull to LC push-pull, multimode patch cord with custom push-pull strain relief boot and duplex clip, 1.6mm jacket, Std. IL, 1m, Aqua.	1m
<b>FX2ERQNSNM002</b>	OM3 2-fiber, OFNR (riser) rated, LC push-pull to LC push-pull, multimode patch cord with custom push-pull strain relief boot and duplex clip, 1.6mm jacket, Std. IL, 2m, Aqua.	2m
<b>FX2ERQNSNM003</b>	OM3 2-fiber, OFNR (riser) rated, LC push-pull to LC push-pull, multimode patch cord with custom push-pull strain relief boot and duplex clip, 1.6mm jacket, Std. IL, 3m, Aqua.	3m
<b>FX2ERQNSNM005</b>	OM3 2-fiber, OFNR (riser) rated, LC push-pull to LC push-pull, multimode patch cord with custom push-pull strain relief boot and duplex clip, 1.6mm jacket, Std. IL, 5m, Aqua.	5m
<b>FX2ERQNSNM007</b>	OM3 2-fiber, OFNR (riser) rated, LC push-pull to LC push-pull, multimode patch cord with custom push-pull strain relief boot and duplex clip, 1.6mm jacket, Std. IL, 7m, Aqua.	7m
<b>FX2ERQNSNM010</b>	OM3 2-fiber, OFNR (riser) rated, LC push-pull to LC push-pull, multimode patch cord with custom push-pull strain relief boot and duplex clip, 1.6mm jacket, Std. IL, 10m, Aqua.	10m
<b>FX2ERQNSNM020</b>	OM3 2-fiber, OFNR (riser) rated, LC push-pull to LC push-pull, multimode patch cord with custom push-pull strain relief boot and duplex clip, 1.6mm jacket, Std. IL, 20m, Aqua.	20m
<b>F92ERQNSNM001</b>	OS1/OS2 2-fiber, OFNR (riser) rated, LC push-pull to LC push-pull, singlemode patch cord with custom push-pull strain relief boot and duplex clip, 1.6mm jacket, Std. IL, 1m, Yellow.	1m
<b>F92ERQNSNM002</b>	OS1/OS2 2-fiber, OFNR (riser) rated, LC push-pull to LC push-pull, singlemode patch cord with custom push-pull strain relief boot and duplex clip, 1.6mm jacket, Std. IL, 2m, Yellow.	2m
<b>F92ERQNSNM003</b>	OS1/OS2 2-fiber, OFNR (riser) rated, LC push-pull to LC push-pull, singlemode patch cord with custom push-pull strain relief boot and duplex clip, 1.6mm jacket, Std. IL, 3m, Yellow.	3m
<b>F92ERQNSNM005</b>	OS1/OS2 2-fiber, OFNR (riser) rated, LC push-pull to LC push-pull, singlemode patch cord with custom push-pull strain relief boot and duplex clip, 1.6mm jacket, Std. IL, 5m, Yellow.	5m
<b>F92ERQNSNM007</b>	OS1/OS2 2-fiber, OFNR (riser) rated, LC push-pull to LC push-pull, singlemode patch cord with custom push-pull strain relief boot and duplex clip, 1.6mm jacket, Std. IL, 7m, Yellow.	7m
<b>F92ERQNSNM010</b>	OS1/OS2 2-fiber, OFNR (riser) rated, LC push-pull to LC push-pull, singlemode patch cord with custom push-pull strain relief boot and duplex clip, 1.6mm jacket, Std. IL, 10m, Yellow.	10m
<b>F92ERQNSNM020</b>	OS1/OS2 2-fiber, OFNR (riser) rated, LC push-pull to LC push-pull, singlemode patch cord with custom push-pull strain relief boot and duplex clip, 1.6mm jacket, Std. IL, 20m, Yellow.	20m

### Patch Cords – SC Duplex to SC Duplex



F523RSNSNSNM001

Part Number	Description	Std. Pkg. Length
FX23RSNSNSNM001	OM3 2-fiber, 3mm jacket patch cord, OFNR (riser) rated, SC duplex to SC duplex, Std. IL, 1m, Aqua.	1m
FX23RSNSNSNM002	OM3 2-fiber, 3mm jacket patch cord, OFNR (riser) rated, SC duplex to SC duplex, Std. IL, 2m, Aqua.	2m
FX23RSNSNSNM003	OM3 2-fiber, 3mm jacket patch cord, OFNR (riser) rated, SC duplex to SC duplex, Std. IL, 3m, Aqua.	3m
F523RSNSNSNM001	OM2 2-fiber 3mm jacket, patch cord, OFNR (riser) rated, SC duplex to SC duplex, Std. IL, 1m, Orange.	1m
F523RSNSNSNM002	OM2 2-fiber 3mm jacket, patch cord, OFNR (riser) rated, SC duplex to SC duplex, Std. IL, 2m, Orange.	2m
F523RSNSNSNM003	OM2 2-fiber 3mm jacket, patch cord, OFNR (riser) rated, SC duplex to SC duplex, Std. IL, 3m, Orange.	3m
F923RSNSNSNM001	OS1/OS2 2-fiber 3mm jacket patch cord, OFNR (riser) rated, SC duplex to SC duplex, Std IL, 1m, Yellow.	1m
F923RSNSNSNM002	OS1/OS2 2-fiber 3mm jacket patch cord, OFNR (riser) rated, SC duplex to SC duplex, Std IL, 2m, Yellow.	2m
F923RSNSNSNM003	OS1/OS2 2-fiber 3mm jacket patch cord, OFNR (riser) rated, SC duplex to SC duplex, Std IL, 3m, Yellow.	3m

### Patch Cords – SC Duplex to LC Duplex



FX2ERSNLNSNM

Part Number	Description	Std. Pkg. Length
FX2ERSNLNSNM001	OM3 2-fiber patch cord, OFNR (riser) rated, SC duplex to LC duplex with 1.6mm jacket, Std. IL, 1m, Aqua.	1m
FX2ERSNLNSNM002	OM3 2-fiber patch cord, OFNR (riser) rated, SC duplex to LC duplex with 1.6mm jacket, Std. IL, 2m, Aqua.	2m
FX2ERSNLNSNM003	OM3 2-fiber patch cord, OFNR (riser) rated, SC duplex to LC duplex with 1.6mm jacket, Std. IL, 3m, Aqua.	3m
FX2ERSNLNSNM004	OM3 2-fiber patch cord, OFNR (riser) rated, SC duplex to LC duplex with 1.6mm jacket, Std. IL, 4m, Aqua.	4m
FX2ERSNLNSNM005	OM3 2-fiber patch cord, OFNR (riser) rated, SC duplex to LC duplex with 1.6mm jacket, Std. IL, 5m, Aqua.	5m
FX2ERSNLNSNM006	OM3 2-fiber patch cord, OFNR (riser) rated, SC duplex to LC duplex with 1.6mm jacket, Std. IL, 6m, Aqua.	6m
FX2ERSNLNSNM007	OM3 2-fiber patch cord, OFNR (riser) rated, SC duplex to LC duplex with 1.6mm jacket, Std. IL, 7m, Aqua.	7m
FX2ERSNLNSNM010	OM3 2-fiber patch cord, OFNR (riser) rated, SC duplex to LC duplex with 1.6mm jacket, Std. IL, 10m, Aqua.	10m

## QuickNet™ Cassettes

**FQZN-12-10AS**

Part Number	Description	Std. Pkg. Qty.
<b>FQZN-12-10AS</b>	2-fiber QuickNet™ SFQ Cassette, OM4 (50/125µm), six LC duplex adapters to MTP* Standard Loss; Method A.	1
<b>FQZN-12-10AF</b>	12-fiber, QuickNet™ SFQ Cassette, OM4 50/125µm, standard loss, duplex LC to MTP, modified method A, pair flipped.	1
<b>FQZO-12-10AS</b>	12-fiber QuickNet™ SFQ Cassette, optimized OM4 (50/125µm), six LC duplex adapters to MTP* Standard Loss; Method A.	1
<b>FQZO-12-10AF</b>	12-fiber QuickNet™ SFQ Cassette, optimized OM4 (50/125µm), six LC duplex adapters to MTP* Standard Loss; Method A, pair flipped.	1
<b>FQXN-12-10AS</b>	12-fiber QuickNet™ SFQ Cassette, six LC duplex adapters to MTP*, OM3 (50/125µm), Method A.	1
<b>FQXN-12-10AF</b>	12-fiber QuickNet™ SFQ Cassette, six LC duplex adapters to MTP*, OM3 (50/125µm), modified Method A, pair flipped.	1

\*MTP is a registered trademark of US Conec Ltd.

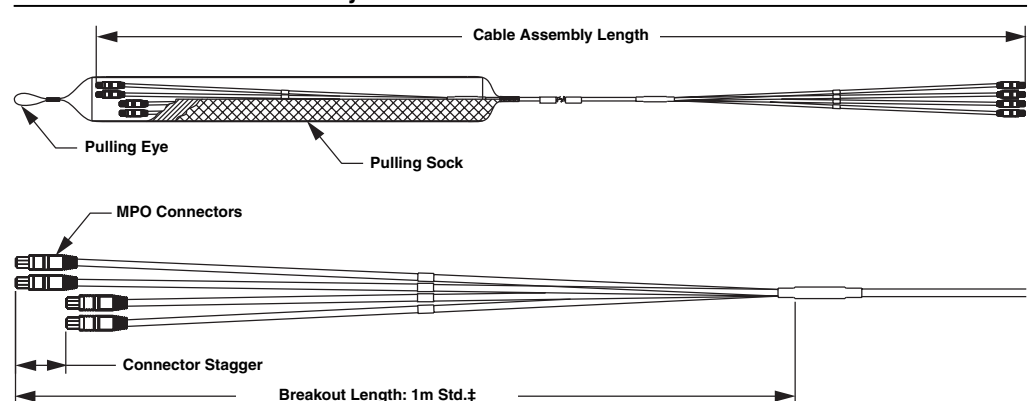
## QuickNet™ Trunk Cable Assemblies

### part number

Example: FXWSL5E5EAM100 = Fiber OM3, 48-fiber, indoor trunk, LSZH, MPO female to MPO female, polarity method A, pulling eye, 100 meter

Character	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Example	F	X	W	S	L	5	E	5	E	A	A	M	1	0	0
<b>1 – Fiber</b> F = Fiber															
<b>2 – Fiber Type</b> 9 = OS1/OS2 9/125µm X = OM3 50/125µm Z = OM4 50/125µm															
<b>3 – Fiber Count</b> W = 48-fiber X = 72-fiber Y = 96-fiber A = 144-fiber															
<b>4 – Cable Type</b> S = Indoor Trunk															
<b>5 – Jacket Type</b> L = Low Smoke Zero Halogen (LSZH) P = Optical Fiber Nonconductive Plenum (OFNP)															
<b>6 – Connector Type End “A”</b> 1 = LC 5 = MPO female 6 = MPO male L = LC duplex															
<b>7 – Connector Variant</b> E = 1m breakout 2 = 2mm overjacket (LC only)															
<b>8 – Connector Type End “B”</b> 1 = LC 5 = MPO female 6 = MPO male L = LC duplex															
<b>9 – Connector Variant</b> E = 1m breakout 2 = 2mm overjacket (LC only)															
<b>10 – Construction/Performance</b> A = Polarity Method A, Standard IL (MPO only) S = Standard IL – Standard Polarity (MPO-Discrete), (Discrete-Discrete)															
<b>11 – Other</b> A = Pulling Eye End “A”															
<b>12 – Unit of Length</b> F = Feet M = Meters															
<b>13, 14, 15 – Cable Assembly Length</b> F: 16-300 ft. M: 5-100m															

### trunk cable assembly detail



±Breakout length tolerance is 12.7cm (+5")/-0

\*Other options are available as follows:

Fiber Types: OM1 62.5/125, OM2 50/125, OM4+ 50/125 Signature Core™

Cable Type: Indoor/Outdoor Armored Trunk, Indoor/Outdoor Trunk, Indoor Armored Trunk

Jacket Type: Dual LSZH/Riser OFNR, Riser OFNR

Connector Type: ST, SC, MTRJ Female, MTRJ Male, SC Duplex

Performance/Construction: Polarity A-Optimized IL, Polarity B-Standard IL, Polarity B-Optimized IL

Other: Pulling eye End B, Pulling eye End A and B, No Pulling eye

Please contact Panduit customer service for information on additional part number options

## Grounding Solutions

Panduit grounding and bonding solutions meet customer needs and today's critical application requirements for grounding data centers and telecommunication spaces. Panduit™ StructuredGround™ Grounding System provides a high quality, visually verifiable, and dedicated grounding path to maintain system performance and protect network equipment and personnel. Panduit grounding and bonding components are designed for use on racks and cabinets which meet EIA-310.

- Ensures highest network system performance
- Prevents equipment damage
- Maximizes uptime
- Meets TIA-942, TIA-607-B, IEEE Std 1100 (IEEE Emerald Book), UL and CSA
- Promotes personnel protection
- Designed for flexibility and easy installation

### StructuredGround™ Grounding Kits for Net-Access™ Cabinets and 4 Post Racks



RGCBNJ660P22



RGEJ1024URT



RGESD-1Y



RGESDWS



RGRB19CN

Part Number	Description	Std. Pkg. Qty.
RGCBNJ660P22	Jumper Kits, Common Bonding Network (CBN), #6 AWG (16mm <sup>2</sup> ) jumper; 60" (1.52m) length; 45° bent lug on grounding strip side; provided with .16 oz. (5cc) of antioxidant, two each #12-24 x 1/2", M6 x 12mm, #10-32 x 1/2" and M5 x 12mm thread-forming screws and a copper compression HTAP* for connecting to the MCBN.	1
RGEJ1024URT	Jumper kits, equipment grounding, #10 AWG (6mm <sup>2</sup> ) jumper, 24 in. (609.6mm) L, pre-terminated with two #10 (5.3mm) stud hole ring terminals to provide a bolt-on solution for grounding network equipment.	1
RGEJ624PHY	Jumper kits, equipment grounding, #6 AWG (16mm <sup>2</sup> ) jumper; bent lug on grounding strip side to straight lug on equipment; provided with .16 oz. (5cc) of antioxidant and two each #12-24 x 1/2", M6 x 12mm, #10-32 x 1/2" and M5 x 12mm thread-forming screws.	1
RGEJ636PFY	Jumper kits, equipment grounding, #6 AWG (16mm <sup>2</sup> ) jumper; bent lug on grounding strip side to straight lug on equipment; provided with .16 oz. (5cc) of antioxidant and two each #12-24 x 1/2", M6 x 12mm, #10-32 x 1/2" and M5 x 12mm thread-forming screws.	1
RGEJ660PF	Jumper kits, equipment grounding, #6 AWG (16mm <sup>2</sup> ) jumper; bent lug on grounding strip side to straight lug on equipment.	1
RGEJ660U	Jumper kits, equipment grounding, #6 AWG (16mm <sup>2</sup> ) jumper, 60 in. (1524mm) L, pre-terminated with two straight slotted lugs to provide a bolt-on solution for grounding network equipment.	1
RGESD-1Y	One-hole ESD port; provided with an ESD protection sticker, .16 oz. (5cc) of antioxidant and 1 each #12-24 x 1/2", M6 x 12mm, #10-32 x 1/2" and M5 x 12mm thread-forming screws.	1
RGESDWS	Adjustable fabric ESD wrist strap with 6' coil cord, banana plug, 1 megohm resistor and 4mm snap.	1
RGRB19CN	Grounding busbar; 19" (483mm) length; tin-plated; twenty holes arranged for flexibility in mounting with twenty #12-24 x 1/2" hex head screws installed; mounting hole sets have 5/8" (15.9mm) spacing; provided with two cage nut bonding studs and four #12-24 bonding nuts.	1

### Cabinet Cage Nut



CNBK



CNWSM6-C

Part Number	Description	Std. Pkg. Qty.
CNBK	Green bonding cage nut, includes 50 #12-24 bonding cage nuts (.06 – .11 thick panel) and 50 #12-24 x 1/2" bonding screws with #2 Phillips/slotted combo hex head (use 5/16" or 8mm socket).	1
CNWSM6-C	M6 screw with cage nut.	100



## Security Solutions

Network security devices block unauthorized access to existing network infrastructure in the data center. These devices save time and money associated with network downtime, data security breaches, infrastructure repair, and hardware replacement due to theft. The innovative design of the blockout device snaps into modules and is released with the removal tool, ensuring the safety and security of the network infrastructure. The versatile design of the lock-in device is compatible with most existing patch cords, faceplates, patch panels, IP cameras, and other IP devices. It is also compatible with VoIP phones to help prevent unauthorized tampering with connectivity to ensure E911 continuity.

### RJ45 Jack Blockout Devices



PSL-DCJB



PSL-DCJB-BL

Part Number	Description	Std. Pkg. Qty.
PSL-DCJB	Jack module block-out device, ten block-outs (Red) and one removal tool (Black).	1
PSL-DCJB-BL	Jack module block-out device, ten block-outs (Black) and one removal tool (Black).	1

\*Available in bulk packages of 100 devices and five installation/removal tools. To order bulk package add -C to the suffix of part number. The RJ45 plug lock-in device may not be compatible with all jacks, overmolded cables, or PanView™ Cables.

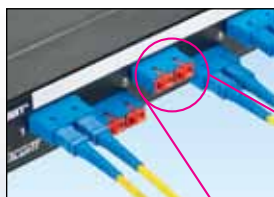
### LC Duplex Adapter Blockout Devices



PSL-LCAB-BL

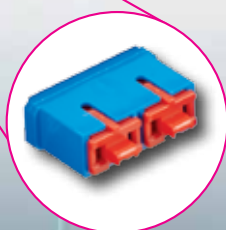
Part Number	Description	Std. Pkg. Qty.
PSL-LCAB	Package of ten Red LC Duplex adapter blockout devices and one insertion/removal tool.	1
PSL-LCAB-BL	Package of ten Black LC Duplex adapter blockout devices and one insertion/removal tool.	1

### SC Adapter Blockout Device



PSL-SCBD

Part Number	Description	Std. Pkg. Qty.
PSL-SCBD	Red SC adapter blockout device. Package of ten SC adapter blockout devices and one removal tool.	1



### USB Blockout Devices



PSL-PERM-USBA



PSL-USBA



PSL-USBB

Part Number	Description	Std. Pkg. Qty.
<b>PSL-PERM-USBA</b>	Package of ten permanent USB Type 'A' blockout devices.	1
<b>PSL-USBA</b>	Package of five USB Type 'A' blockout devices and one removal tool.	1
<b>PSL-USBB</b>	Package of ten USB Type 'B' Blockout Devices and one removal tool.	1

\*Available in bulk packages of 50 devices and five removal tools. To order bulk package add -L to the suffix of part number.

### Flush Mount RJ45 Plug Lock-In Devices



PSL-DCPLS-BL



PSL-DCPLX

Part Number	Description	Std. Pkg. Qty.
<b>PSL-DCPLS</b>	Super recessed lock-in device, ten devices (Red) and one removal tool (Black).	1
<b>PSL-DCPLS-BL</b>	Super recessed lock-in device, ten devices (Black) and one removal tool (Black).	1
<b>PSL-DCPLX</b>	Standard lock-in device, ten devices (Red) and one removal tool (Black).	1
<b>PSL-DCPLX-BL</b>	Standard lock-in device, ten devices (Black) and one removal tool (Black).	1

\*Available in bulk packages of 100 devices and five installation/removal tools. To order bulk package add -C to the suffix of part number. The RJ45 plug lock-in device may not be compatible with all jacks, overmolded cables, or PanView™ Cables.

### Recessed RJ45 Plug Lock-In Devices



PSL-DCPLRX

Part Number	Description	Std. Pkg. Qty.
<b>PSL-DCPLRX</b>	Recessed lock-in device, ten devices (Red) and one tool (Black) Package of ten recessed RJ45 plug lock-in devices and one installation/ removal tool.	1
<b>PSL-DCPLRX-BL</b>	Recessed lock-in device, ten devices (Black) and one tool (Black). Package of ten recessed RJ45 plug lock-in devices and one installation/ removal tool.	1

\*Available in bulk packages of 100 devices and five installation/removal tools. To order bulk package add -C to the suffix of part number. The RJ45 plug lock-in device may not be compatible with all jacks, overmolded cables, or PanView™ Cables.

## Power Outlet Units

Panduit Power Outlet Units (POUs) safely and efficiently manage and distribute power to cabinet deployed equipment. Available as single phase or three phase modules vertically or horizontally mounted as mounted; metered, intelligent per unit or per port switched; choices of C13 and C19 connectors.

### Vertical Power Outlet Units



Part Number	Description	Std. Pkg. Qty.
<b>QS1B1L2BN24AA1</b>	Vertical switched power strip 30 A, 208V, 20 IEC C-13 and 4 IEC C-19 locking receptacles, RJ-45 Ethernet port with two RJ12 remote environmental ports, two 20 A double pole magnetic breaker on-off switch with integral switch guard, and 10' power cord with NEMA L6-30P twist lock plug. UL and c-UL Listed. Dimensions: 70.0"H x 2.5"W x 2.3"D Breaker Doghouse add 1.44" (87.4mm) to overall depth (1683mm x 64mm x 57mm)	1

### Vertical Power Outlet Units – Basic



Part Number	Description	Std. Pkg. Qty.
<b>VB0B1L2BN30P1</b>	Vertical power strip 30 A, 208V, 24 IEC C-13 and 6 IEC C-19 receptacles, two 20 A double pole magnetic breaker/on-off switch with integral switch guard, and 10' power cord with NEMA L6-30P twist lock plug. UL and c-UL Listed. Dimensions: 66.3"H x 2.0"W x 2.0"D (1683mm x 51mm x 51mm)	1
<b>VB1B1L2BN30P1</b>	Vertical power strip 30 A, 208 V, 24 IEC C-13 and 6 IEC C-19 receptacles, two 20 A double pole magnetic breaker/on-off switch with integral switch guard, Red LED current monitor and 10' power cord with NEMA L6-30P twist lock plug. UL and c-UL Listed. Dimensions: 66.3"H x 2.0"W x 2.0"D (1683mm x 51mm x 51mm)	1

### Horizontal Power Outlet Units

The Panduit vertical and horizontal power strips offer a convenient way to distribute power to active equipment within racks and cabinets. Built-in power meters and circuit breakers provide critical power information and protection for improved network reliability. Mounting flexibility allows quick and easy installation.



**HB0B1L4BT10M1**



**HB1B1L4BT10M1**

Part Number	Description	Std. Pkg. Qty.
<b>HB0B1L4BT10M1</b>	Horizontal power strip 30 A, 208V, 10 IEC C-13 receptacles, four 15 A thermal breakers, and 10' power cord with NEMA L6-30P twist lock plug. UL and c-UL Listed. Dimensions: 1.7"H x 17.0"W x 1.6"D (43mm x 431mm x 41mm)	1
<b>HB1B1F0BA08W1</b>	Horizontal power strip with a 20 A, 208V, 4 IEC C-13 and 4 IEC C-19 receptacles, Red LED current monitor and 10' power cord with NEMA L6-20P twist lock plug. UL and c-UL Listed. Dimensions: 1.7"H x 17.0"W x 1.85"D (43mm x 431mm x 47mm)	1
<b>HB1B1L4BT10M1</b>	Horizontal power strip 30 A, 208V, 10 IEC C-13 receptacles, four 15 A thermal breakers, Red LED current monitor, and 10' power cord with NEMA L6-30P twist lock plug. UL and c-UL Listed. Dimensions: 1.7"H x 17.0"W x 1.6"D (43mm x 431mm x 41mm)	1

### SmartZone™ Network-Enabled Rack PDUs

The SmartZone™ Network-Enabled Rack PDUs safely and efficiently manage and distribute power to multiple rack or cabinet devices via a single power connector. It can be deployed and utilized as a standalone “intelligent” rack PDU. As part of a fully intelligent data center or DCIM solution, SmartZone™ Network-Enabled Rack PDUs capture power and environmental data that can be used by SmartZone™ Software to more effectively manage and optimize operational efficiencies.

### SmartZone™ Network-Enabled M Series Rack PDUs (for Aggregate Power Monitoring)



Part Number	Description	Std. Pkg. Qty.
<b>Q1N2B1L2N30AHA0</b>	Vertical power strip 30 A, 208V, 24 IEC C-13 and 6 IEC C-19 receptacles, with Red LED current monitor, RJ-45 Ethernet port with two RJ12 remote environmental ports, remote display port, two 20 A double pole magnetic breaker/ on-off switch with integral switch guard, and 10' power cord with NEMA L6-30P twist lock plug. UL and c-UL Listed. Dimensions: 70"H x 2.5"W x 2.36"D Breaker (1777mm x 64mm x 60mm).	1
<b>Q1N2B1P3N30AHA0</b>	Vertical power strip 30 A, 208V, WYE, 24 IEC C-13 and 6 IEC C-19 receptacles, with Red LED current monitor, RJ-45 Ethernet port with two RJ12 remote environmental ports and remote display port, three 20 A double pole magnetic breaker on-off switch with integral switch guard, and 10' power cord with NEMA L21-30P twist lock plug. UL and c-UL Listed. Dimensions: 70"H x 2.5"W x 2.36"D Breaker (1777mm x 64mm x 60mm).	1

#### Need a Custom-Built SmartZone™ Gateway-Enabled Rack PDU?

To extend choice and flexibility, Panduit supports rack PDU customization options for our SmartZone™ Gateway-Enabled Rack PDUs, from unique assembly designs to customized engineering and tooling . . . all to meet your exact project requirements.

SmartZone™ Gateway-Enabled M Series Rack PDU can be deployed and utilized as part of a gateway-based system that utilizes a SmartZone™ Gateway to maintain the active intelligence, with the resulting management of multiple rack PDUs from a single IP address via a web interface or SNMP.

If you would like to discuss further options for a custom rack PDU project, please reach out to your Panduit representative for more details.



## SmartZone™ Rack Energy Kits

To help gain greater visibility into data center performance, Panduit offers SmartZone™ rack energy kits for new and legacy data centers with fewer than 30 racks that enable cost-effective, real-time monitoring, alerting, and management of data center power and environmental information. Bundled with monitoring software, a gateway, and a choice of intelligent devices SmartZone™ Rack Energy Kits are easy to install and deploy on a per rack basis.



**HB0D2A0BA10M1**



**RMSP2T2POB17**



**RMSQ2T2POB01**

Part Number	Description	Std. Pkg. Qty.
<b>RMSC2T2PCLA01</b>	SmartZone™ Rack Energy Kit with Clamp Meters non-invasively add intelligent power and environmental monitoring capabilities to nonintelligent rack PDUs. Kit includes (2) Clamp Meters, SmartZone™ Rack Monitoring Software, (1) SmartZone™ Gateway EP042, (4) Patch Cords and (2) temperature sensors.	1
<b>RMSP2T2POB17</b>	SmartZone™ Rack Energy Kits with Rack PDUs monitor power consumption and energy conditions on a per rack basis. Kit includes (2) 20A Single Phase Vertical SmartZone™ Rack PDUs 14xC13, 2xC19 Commando Input Plug Monitor only, SmartZone™ Rack Monitoring Software, (1) SmartZone™ Gateway EP042, (4) patch cords and (2) temperature sensors.	1
<b>RMSP2T2POB18</b>	SmartZone™ Rack Energy Kits with Rack PDUs monitor power consumption and energy conditions on a per rack basis. Kit includes (2) 30A Single Phase Vertical SmartZone™ Rack PDUs 14xC13, 2xC19, 2x20A MCBs IEC 60309 Input Plug, Monitor only, SmartZone™ Rack Monitoring Software, (1) SmartZone™ Gateway EP042, (4) patch cords and (2) temperature sensors.	1
<b>RMSP2T2POB19</b>	SmartZone™ Rack Energy Kits with Rack PDUs monitor power consumption and energy conditions on a per rack basis. Kit includes (2) 20A Single Phase Vertical SmartZone™ Rack PDUs 120V 14xC13, 2xC19, L5-20P Input Plug, Monitor only, SmartZone™ Rack Monitoring Software, (1) SmartZone™ Gateway EP042, (4) patch cords and (2) temperature sensors.	1
<b>RMSP2T2POB20</b>	SmartZone™ Rack Energy Kits with Rack PDUs monitor power consumption and energy conditions on a per rack basis. Kit includes (2) 30A Single Phase Vertical SmartZone™ Rack PDUs 120V 20xC13, 4xC19, 2x20A MCBs L5-30P Input Plug, Monitor only, SmartZone™ Rack Monitoring Software, (1) SmartZone™ Gateway EP042, (4) patch cords and (2) temperature sensors.	1
<b>RMSP2T2POB21</b>	SmartZone™ Rack Energy Kits with Rack PDUs monitor power consumption and energy conditions on a per rack basis. Kit includes (2) 30A Single Phase Vertical SmartZone™ Rack PDUs 20xC13, 4xC19, 2x20A MCBs L6-30P Input Plug, Monitor only, SmartZone™ Rack Monitoring Software, (1) SmartZone™ Gateway EP042, (4) patch cords and (2) temperature sensors.	1
<b>RMSQ2T2POB01</b>	SmartZone™ Rack Energy Kit with Zero-RU Inline Meters adds intelligent power and environmental monitoring capabilities to non-intelligent rack PDUs. Kit includes (2) Zero-RU Inline Meters, 20A, Single Phase, Commando Plugs and Sockets, SmartZone™ Rack Monitoring Software, (1) SmartZone™ Gateway EP042, (4) patch cords, and (2) temperature sensors.	1
<b>RMSQ2T2POB02</b>	SmartZone™ Rack Energy Kit with Zero-RU Inline Meters adds intelligent power and environmental monitoring capabilities to non-intelligent rack PDUs. Kit includes (2) Zero-RU Inline Meters, 20A, Three Phase Delta, Commando Plugs and Sockets, SmartZone™ Rack Monitoring Software, (1) SmartZone™ Gateway EP042, (4) patch cords, and (2) temperature sensors.	1
<b>RMSQ2T2POB03</b>	SmartZone™ Rack Energy Kit with Zero-RU Inline Meters adds intelligent power and environmental monitoring capabilities to non-intelligent rack PDUs. Kit includes (2) Zero-RU Inline Meters, 30A, Single Phase, Commando Plugs and Sockets, SmartZone™ Rack Monitoring Software, (1) SmartZone™ Gateway EP042, (4) patch cords, and (2) temperature sensors.	1
<b>RMSQ2T2POB04</b>	SmartZone™ Rack Energy Kit with Zero-RU Inline Meters adds intelligent power and environmental monitoring capabilities to non-intelligent rack PDUs. Kit includes (2) Zero-RU Inline Meters, 30A, Three Phase Delta, Commando Plugs and Sockets, SmartZone™ Rack Monitoring Software, (1) SmartZone™ Gateway EP042, (4) patch cords, and (2) temperature sensors.	1

### SmartZone™ Rack-Mounted Rack Energy Kits

The SmartZone™ rack-mounted rack energy kits utilize a Dual Link Box Device specifically designed for devices requiring one or more direct power feeds. The Dual Link Box Device is ideal for large servers, disk storage arrays, blade server enclosures, and network switches. These rack energy kits use the Dual Link Box Device to accurately measure critical power and energy information through polling and real-time SNMP, and the included RackMS™ Gateway to monitor and control, and to generate warnings, and critical alarms.



**RMSL2T1POB09**

Part Number	Description	Std. Pkg. Qty.
<b>RMSL2T1POB09</b>	SmartZone™ Rack Energy Kit with 1 RU Inline Meter adds intelligent power and environmental capabilities to non-intelligent rack PDUs. Kit includes (1) 1 RU Inline Meter, 20A Single Phase, Commando Plugs and Sockets, SmartZone™ Rack Monitoring Software, (1) SmartZone™ Gateway EP042, (4) patch cords, and (2) temperature sensors.	1
<b>RMSL2T1POB10</b>	SmartZone™ Rack Energy Kit with 1 RU Inline Meter adds intelligent power and environmental capabilities to non-intelligent rack PDUs. Kit includes (1) 1 RU Inline Meter, 20A Three Phase Delta, Commando Plugs and Sockets, SmartZone™ Rack Monitoring Software, (1) SmartZone™ Gateway EP042, (4) patch cords, and (2) temperature sensors.	1
<b>RMSL2T1POB11</b>	SmartZone™ Rack Energy Kit with 1 RU Inline Meter adds intelligent power and environmental capabilities to non-intelligent rack PDUs. Kit includes (1) 1 RU Inline Meter, 30A Single Phase, Commando Plugs and Sockets, SmartZone™ Rack Monitoring Software, (1) SmartZone™ Gateway EP042, (4) patch cords, and (2) temperature sensors.	1
<b>RMSL2T1POB12</b>	SmartZone™ Rack Energy Kit with 1 RU Inline Meter adds intelligent power and environmental capabilities to non-intelligent rack PDUs. Kit includes (1) 1 RU Inline Meter, 30A Three Phase Delta, Commando Plugs and Sockets, SmartZone™ Rack Monitoring Software, (1) SmartZone™ Gateway EP042, (4) patch cords, and (2) temperature sensors.	1

## Overhead Routing

### Wyr-Grid® Overhead Cable Tray Routing System

The Wyr-Grid® Overhead Cable Tray Routing System is designed to route and manage copper data cables, fiber optic cables, and power cables within data centers, connected buildings, and industrial automation applications. Innovative features provide quick, easy assembly that reduces installation time to half that of typical wire basket or ladder rack systems, thus minimizing installation costs.



WG12BL10



WGSDWL4BL



WGSPL1218BL



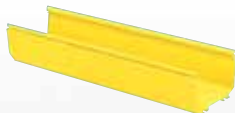
WGTB12BL

Part Number	Description	Std. Pkg. Qty.
<b>WG12BL10</b>	Black powder coated 12" wide x 10' long pathway section used to carry cables horizontally throughout the system. Snap-on sidewalls attach for job specific height requirements. Uses splice connector WGSPL1218BL to connect straight sections and intersection splice WGINTSPLBL to connect pathways at an intersection.	—
<b>WGSDWL4BL</b>	Black powder coat Wyr-Grid® 4" (102mm) high Snap-On Sidewalls can be attached anywhere along the pathway where needed to retain cables.	—
<b>WGSPL1218BL</b>	Black powder coated straight splice connector quickly joins two 12" (305mm) or 18" (457mm) wide Wyr-Grid® Pathways together. A thread cutting screw pierces the paint of adjacent pathway sections providing a completely bonded connection, ensuring electrical continuity between the pathways. Package contains two components needed to join two pathway sections.	—
<b>WGTB12BL</b>	Black powder coated bracket used to support 12" (305mm) wide Wyr-Grid® Pathway from the ceiling using a pair of 1/2" or 12mm threaded rod drops. Hardware for attaching to threaded rod sold separately.	—

Additional configurations, color and sizes are available. Please reference Panduit.com or contact your local Panduit sales representative for further assistance.

### FiberRunner® Overhead Cable Routing System

The FiberRunner® Routing System consist of channels, fittings and brackets designed to segregate, route and protect fiber optic and high performance copper cabling. They can be deployed overhead or in approved underfloor installations.



FR6X4YL6



FRBC6X4YL



FRVT6X4YL



FR6TRBN12

Part Number	Description	Std. Pkg. Qty.
<b>FR6X4YL6</b>	Used to carry the cables horizontally throughout the system. Accepts hinged cable retainers FRCR6BL-X, hinged cover FRHC6YL6 or split hinged cover FRSHC6YL6. Use QuikLock™ Coupler FRBC6X4YL to attach channel and/or fittings.	—
<b>FRBC6X4YL</b>	Pre-assembled coupler quickly joins two sections of channel and/or fittings. Mechanically attaches without tightening bolts. Bolts release using 3/8" nut driver to allow coupler to be removed if necessary.	—
<b>FRVT6X4YL</b>	Attaches to 6x4 channel and/or fittings to create 90° vertical drop from a straight horizontal run. Hinged door included. Accepts FTR4X4YL, FIDT4X4BL, S4X4YL6 or E4X4YL6 directly. Accepts optional snap-on cover FRHC6YL6 in conjunction with channel.	—
<b>FR6TRBN12</b>	Used to support the 6x4 and 4x4 systems from any new threaded rod installations. Bracket is secured to threaded rod with two nuts. The pre-assembled slide clamps enable fast assembly to channel. Use 7/16" nut driver on slide clamps.	—

Additional configurations, color and sizes are available. Please reference Panduit.com or contact your local Panduit sales representative for further assistance.

## Real-World Solutions

*With a proven reputation for excellence and innovation, Panduit and our partners work with you to overcome challenges and implement real-world solutions that create a competitive business advantage. Panduit offers the broadest range of solutions, from data centers and intelligent buildings to manufacturing operations, to help you build a **smarter, unified business foundation**.*



### Technology Leadership

Panduit develops innovative physical infrastructure solutions that meet the rapidly changing needs of our clients, from hardware and software to advisory services. This commitment is supported by investment in advanced research, solutions-focused product development, world-class manufacturing, and collaboration with customers at the forefront of technology.



### Partner Ecosystem

Our best-in-class partner ecosystem offers a comprehensive portfolio of services that span the project lifecycle, from planning and design to delivery, deployment, maintenance, and operation. Panduit business partners – distributors, and certified architects, consultants, engineers, designers, system integrators, and contractors – are qualified to help you achieve your objectives and realize predictable and measurable results.



### Strategic Alliances

Panduit cultivates long-term strategic alliances with industry leaders, including Cisco Systems, EMC, IBM, and Rockwell Automation, to develop, optimize, and validate solutions for our customers. This investment in people and resources helps solve our customers' greatest business challenges.



### Global Business Commitment

Panduit is committed to delivering a consistently high level of quality and service the world over. With a presence in more than 100 countries, local Panduit sales representatives and technical specialists offer guidance and support that bring value to your business. Our global supply chain, which includes manufacturing, customer service, logistics, and distribution partners, provides prompt response to your inquiries and streamlines delivery to any worldwide destination.



### Sustainability

With a commitment to environmental sustainability, Panduit develops and implements solutions that protect, replenish, and restore the world in which we live. This commitment is demonstrated by Panduit's LEED Gold certified World Headquarters, leveraging the Unified Physical Infrastructure<sup>SM</sup> approach to enable convergence of critical building systems to drive energy efficiency and ongoing operational improvement.

Panduit Corp.  
World Headquarters  
Tinley Park, IL 60487

[cs@panduit.com](mailto:cs@panduit.com)

US and Canada: 800.777.3300

Europe, Middle East, and Africa:  
44.20.8601.7200

Latin America: 52.33.3777.6000

Asia Pacific: 65.6305.7575

[www.panduit.com](http://www.panduit.com)

**PANDUIT®**